THE CHEMIST AND DRUGGIST

TELEPHONE 852 NUMBER

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SEASON 1897.

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A Nourishing Meat & Malt Wine.

Strongly recommended by the Medical Faculty in all cases of weakened constitution, and particularly useful in cases of ladies whilst nursing, and delicate children, or in ailments where a stimulating—digestive—tonic—nutrient is indicated.

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HOOPER'S SPARKLING SELTZER

2s. 6d. per dozen. Six dozen Carriage free.

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SPECIAL TERMS FOR QUANTITY.

Exchange Column, *Coloured Supplement.* Index to Advertisements, pp. 27-29

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NICKEL SALTS, ACIDS, AND ALL PLATING CHEMICALS.

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Specially Prepared for **PROCESS WORK.**

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BATTERSEA SQUARE.

BATTERSEA, S.W.

NEAREST STATION,
OLD BATTERSEA STATION,
West London Extension Railway.

The Chemist & Druggist SUPPLEMENT

SATURDAY, FEBRUARY 20, 1897.

Businesses Wanted
Businesses for Disposal
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.
For Bargains see the last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.
PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.
VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

1.—**£1,100 —LONDON (Residential locality).**—Good-class Dispensing and Retail Business; returns over £1,100 yearly; *net profit between £450 and £500 per annum*; the shop is well fitted and stocked; comfortable residence, on lease; about £1,200 required.

2.—**£500.—LONDON, N.W.**—Dispensing and Retail Business: well established; returns nearly £500 yearly, *with good profits*; convenient shop, very attractive; good-sized house, with private entrance; very good opening for a beginner, as the business can be extended; price £400.

3.—**£700.—LONDON, W.**—Dispensing and Retail: pushing Business; rapidly increasing: returns £700; *very good profitable business*; well-fitted shop, and ample working stock; capital residence, with private entrance, garden, &c., on lease; price £600.

4.—**£900.—LONDON, N.W.**—Good-class Family, Retail, and Dispensing Business; returns average nearly £900 per annum: double fronted corner shop, very handsomely fitted; commodious house, with good garden; price £850.

5.—**£900 —LONDON, W.**—Neglected Business, good Dispensing, under management; present returns £900 yearly, can be largely increased; commodious house on long lease; the position must command business, being in close proximity to Langham Hotel; price about £500.

6.—**£650.—FENCHURCH STREET** (3 minutes from).—Old-established business, well situate in main thoroughfare; returns exceed £650 yearly, *with large profits*; the shop is handsomely fitted and well stocked; convenient house, with private entrance; offer wanted.

7.—**£400.—KENT.**—Good-class Business, Dispensing and Light Retail; returns £400; the shop is handsomely fitted and well stocked; price about £250.

8.—**£750.—HASTINGS.**—Good-class Business, Dispensing and Retail; returns average £750 yearly; the position is exceptionally good and the shop is handsomely fitted; good house; price £525, is about the value of stock and fixtures.

9.—**£500.—SOUTH DEVON (attractive town)**—Retail Business; largely own preparations; returns £500: vendor has held the business many years; now retiring; good residence and large garden; rent low; the position is good; climate suitable for an invalid; price about £250.

10.—**£600.—WEST OF ENGLAND.**—Light Retail Business; little opposition; returns nearly £600; *large profits*; capital residence; low rental; price about £350.

11.—**£2,000.—MIDLANDS.**—Mixed Business; returns over £2,000 yearly; *profit (net) between 20 and 25 per cent.*; well-fitted shop and good stock; many Proprietaries: convenient residence: valuation terms; gentlemen with £1,000 to £1,200 at command will find this worth attention.

12.—**£300.—CHANNEL ISLES.**—Dispensing and Retail Business; present returns £300; very good Proprietaries, which sell well; nicely-fitted shop, low rental; price £250.

13.—**£600.—BERKS.**—Light Retail Business, well established: returns £600 yearly; double-fronted shop, well fitted and stocked; commodious residence, held on lease; price to be arranged; full particulars on application.

14.—**£650.—SUFFOLK (large town).**—Old-established business, chiefly ready money: no heavy trade; returns exceed £650, increasing; *profit about £200*: large and well-fitted shop; commodious residence, with garden; about £500 required.

Particulars of any of the above will be furnished on application.
N.B.—NO CHARGE TO PURCHASERS.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.
Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

SPECIAL NOTICE.—**Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with Small Capital, from £200 to £500.**

ORRIDGE & CO., 32 LUDGATE HILL, LONDON, E.C.

BUSINESSES WANTED.

GENUINE Light Retail and Dispensing Business wanted, returning about £800; in town or country; please send full particulars with net profit. 16/16, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a good Mixed Chemist's and Grocery Business in small country village in Yorkshire; must show good returns, and bear every investigation; cash principals only. Mr. Webb, c/o "Chemist," 84 Lynn Street, West Hartlepool.

WANTED, a good-class Retail and Dispensing Business in suburban London or the provinces; returns £800 to £1,200; can pay cash and take immediate possession if necessary. "Alpha" (21/38), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, immediately, a fairly good Business, with a decent house and a little garden; price must not exceed £1,100, unless the balance could remain in the business for a few months at reasonable interest. Send full particulars in confidence, to W. S., Walton Cottage, Bromley, Kent.

RESIDENCE WANTED.

MARRIED Surgeon-Dentist requires House over an established and respectable Chemist's shop, for Residence and Practising; London preferred, but not essential; terms must be moderate, or mutual arrangement made. State particulars of house and terms. "Dentist," Plant Cottage, Bollington, Cheshire.

TO LET.

CHISLEHURST.—To Let, large convenient Premises; premier position; most excellent opportunity in this increasing high-class neighbourhood. Further particulars of A. Line, Chislehurst.

SHOPS to be Let or Sold, situated 4 minutes from Bowes Park Station, G.N.R.; the only 2 left in this rapidly rising neighbourhood: suitable for Chemists, &c.; fronts put in to suit tenants; rent £55. Apply, T. W. Brown, Builder, Tottenham Lane, Hornsey, near Station, or on the premises.

APPRENTICESHIPS.

RETAIL.

E. P. MINETT. Pharmaceutical and Analytical Chemist, Stansted, Essex, has a vacancy for an Apprentice; outdoor preferred.

A VACANCY occurs in F. E. Carpenter's Pharmacy, Burnham, Somerset, for an Apprentice or Turnover: thoroughly trained in all branches of the trade and treated as one of the family; moderate premium; no Sunday duty.

F. J. BRETT

VALUER,

37 Waterloo Street, LEICESTER.

References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS.

NO CHARGE TO BUYERS.

£700 returns.—**NORFOLK.**—Light Retail; central position of good town; large house; price about £675.

£700 returns.—**LONDON, W.**—Increasing Light Retail, Dispensing and good sale of own preparations; long lease; price £600.

£500 returns.—**NORTHANTS.**—Light Retail; very few patents; exceptionally increasing town; price £300.

£900 returns.—**SOUTH.**—Good medium-class Cash Retail in the most improving town in the South; good house; 21 years' lease; price £600.

£700 returns.—**SOMERSET.**—Unopposed Light Retail; fair Dispensing; good house; rent £26, lease; price £425.

£500 returns.—**EASTERN COUNTIES.**—Very old-established Mixed Retail; in vendor's hands over 30 years; to an energetic young man of limited capital this presents an unusual opportunity; vendor, for family reasons, is leaving the district, and to effect an early sale will accept £200, much less than value of stock and fixtures.

£1,300 returns.—**MIDLANDS.**—Light Cash Retail, in residential suburb of large town; net profit £400; substantial reason for sale; price £950.

£850 returns.—**LANCS.**—General Light Retail in principal street of large town; valuation about £500, or could be reduced to suit buyer.

£350 returns.—**LIVERPOOL.**—Light Retail and Prescribing; could be much increased by qualified man; price £150.

£800 returns.—**LONDON.**—Good medium-class Retail Branch; with personal attention can be much improved; good house; rent £30; price £550.

£900 returns.—**LONDON, N.**—Good-class Light Retail, Dispensing, &c.; very large and handsomely-fitted shop, good house; net profit £300; price £800, value of stock and fixtures.

Vendors of good businesses can be at once supplied with buyers by F. J. BRETT.

CORRESPONDENCE INVITED.

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

35 JEWRY STREET, FENCHURCH STREET, E.C.

Established 1870.

1.—**SOUTH COAST.**—First-class Dispensing establishment; fine position in large town; price £2,500, for which full value is offered; applicants should be accustomed to high-class pharmacy.

2.—**BEDFORDSHIRE.**—Small market town; Retail, Dispensing, and Prescribing trade; returns £860; net profit £300; excellent house and garden; price £ 50.

3.—**SURREY.**—First-class Dispensing Retail Business; good residential neighbourhood; returns £700; modern 10-roomed house; price £650; elegantly fitted. (Inspected by us.)

4.—**SUSSEX.**—Nucleus of a high-class Business; present returns £600 under management; capable of doing £1,000; well situated in principal thoroughfare; price £500.

5.—**YORKSHIRE.**—High-class Retail and Dispensing Business; returning £715 at excellent prices; elegantly fitted shop; well stocked; good house and garden; price £675. (Inspected by us.)

6.—**KENT.**—Light Retail, Dispensing, and Prescribing Business; returns £750, increasing steadily; net profit £300; rent £40; good house; price £600, or offer, or by valuation. (Inspected by us.)

7.—**MANCHESTER.** Ready-money Retail and Prescribing Business; returns over £1,000 under indifferent management; can do £30 to £40 weekly under principal; price £800. (Inspected by us.)

8.—**LEICESTERSHIRE.**—Market town; Family, Retail, Dispensing, and Prescribing Business; returns £650; good house and garden; large well fitted and stocked shop; price £550, or offer. (Inspected by us.)

9.—**LANCASHIRE.**—Light Retail and Prescribing Business; returns £500; rent £18; small house; unopposed position; price £160, or valuation of stock and fixtures; a bargain.

10.—**LONDON (West-end).**—High-class Dispensing Business, returning £900 under manager, capable of doing double; convenient house; large corner shop; price £500; selling through illness.

VALUATIONS.

SPECIAL ATTENTION is paid to Valuations, which are personally conducted by a member of the firm, in any part of the United Kingdom. Our terms, which are moderate, may be had on application.

NO CHARGE TO PURCHASERS.

35 JEWRY ST., FENCHURCH ST., CITY.

JUDD & MANNERS

(SUCCESSORS TO CROCKER & CO.)

Chemists' Valuers, Transfer Agents, & Accountants,

76 CANNON STREET, LONDON, E.C.

VALUATIONS made for Probate or Transfer by a fully qualified member of the firm. Books Audited, Balance Sheets Prepared and Chartered Accountants' Certificate given. Terms (moderate) on application.

BUCKS.—An old-established good-class Retail and Dispensing trade; returns nearly £800; very profitable; price £750, or offer; very handsome pharmacy and good house.

SURREY.—Good-class Family trade; returns £650; rent £65; large and convenient house; price £600; well recommended.

40 MILES FROM LONDON.—A good-class Retail and Dispensing trade; returns £750; price £700; good house, with modern conveniences.

FIRST-CLASS RESIDENTIAL SUBURB OF LONDON.—Good Dispensing and Retail Business, with nice house and Pharmacy; returning between £600 and £700, rapidly increasing; price £500.

NEAR LONDON.—Good middle-class Family trade, with excellent sale of own Proprietaries; returns £980 last year, and increasing; splendid opening for a Dentist; price £800, or offer; moderate rent, long lease, and very convenient residence, fitted with modern appointments.

MIDLANDS.—Pleasant market town; returns £650; price £600 or offer; good house at a moderate rental; nice garden, &c.

BURNLEY.—Branch Business for Sale; returns £400; price, valuation of stock and fixtures.

YORKSHIRE (Good Town).—Branch for Sale; returns £550; rent £70; price, valuation of stock and fixtures only; good bold premises, and plenty of scope for a pushing man.

MIDLANDS.—An old-established good-class Family and Dispensing trade; for many years in present hands; returns £1,000, very profitable; price £1,000 or offer; exceptionally good house and garden.

KENNINGTON, S.E.—Old-established Retail and Prescribing trade returns £350; moderate rent; price £300; very few Patents sold.

WHITECHAPEL.—Very profitable Retail and Prescribing trade; returns £500; price £350; fine bold corner position and good house.

LONDON, W.—Good-class Retail and Dispensing Trade; giving a net profit of £450 a year; price £1,350; fine commanding corner premises and handsomely-fitted shop with excellent house.

Full particulars of any of the above sent free on application.

VALUATIONS A SPECIALITY.

FERGUSON & OSBORNE

PHARMACEUTICAL CHEMISTS,

CHEMISTS' VALUERS AND TRANSFER AGENTS.

25 YEARS' PRACTICAL EXPERIENCE.

NO CHARGE TO PURCHASERS.

All VALUATIONS and STOCKTAKINGS are conducted personally by the Principals. Terms on application.

1.—**MARKET TOWN, WEST ENGLAND.**—Old-established Retail; best position in market-place; first-class premises, business and residential; net profit about £370; price £900.

2.—**LANCASHIRE (Market Town).**—Compact Retail; also an unopposed branch in a large village a few miles off; both capable of rapid increase; splendid investment for small capitalist; £180 will buy the lot.

3.—**LONDON, W.**—Light Retail, Dispensing, and Prescribing; large shop and good house; returns over £700; price £600.

4.—**LANCASHIRE (Market Town).**—Light Retail; corner position; extra fittings and very good house; returns about £500; price valuation or cash offer.

56 CHEAPSIDE, LONDON, E.C.

(Next Door to Bow Church.)

THOMAS TOMLINSON & SON,

Chemists' Transfer Agents and Valuers,

9 NEW CANNON STREET, MANCHESTER.

42 YEARS' EXPERIENCE.

Valuations Conducted with careful attention to detail.

BUSINESS WANTED.—Thomas Tomlinson & Son, having on their books an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can rely upon being at once with all despatch put into communication with bonâ-fide buyers without publicity and the annoyance of answering "curiosity" applications. **No charge made unless Sale is effected.**

BUSINESSES FOR DISPOSAL of various classes, and amounts of returns ranging from £200 to £4,000. Particulars given to bonâ-fide applicants stating outline of requirements.

NO CHARGE TO PURCHASERS.

Telegraphic Address—"TOMTOM."

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

£300 buys profitable little Business; can be doubled easily by qualified men. 14/7, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FOR SALE, in order to wind up an estate, as a going concern, an old-established Business in large north-east seaport town; no goodwill; returns £1,400. Apply, "North" (17/37), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A RETAIL and Dispensing Business in the best part of Canonbury; in present proprietor's hands for nearly 20 years; long lease; can let off half rent if required; price from £300 to £400. Address, H, c/o Hearon, Squire & Co., 38 Southwark Street, S.E.

SEASIDE, East Coast.—A good-class Family Retail and Dispensing Business for immediate disposal; in the principal thoroughfare; good house, long lease. For full particulars, apply, "Nemo" (20/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

RETAIL, Prescribing, &c.; established 6 years; main road; capable of much increase by a pushing man, with capital; would sell immediately or by March: desirous of leaving London; £150, or reasonable offer. Apply, A., c/o S. N., 41 Parma Crescent, Lavender Hill, S.W.

HOME COUNTY (about 20 miles from London).—An old-established Light Retail, Prescribing, and Dispensing Business where Dentistry might be added with advantage; returns £950; price £800; good house and shop. Apply, "Dens," c/o Messrs. Meggeson & Co., 14 Miles Lane, E.C.

£200 or Valuation.—London (West).—Light Retail and Prescribing Business, returning over £600; excellent position, main road; capital opening for Tooth Extractor, and for starting on Store lines; a bargain. 21/40, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

RETAIL and Prescribing Business for immediate Disposal, good opening for energetic man, returning about £500, under management, in a rising and prosperous district near Manchester; no opposition; rent £16; price £350; will bear thorough investigation. Apply, Ferrand, c/o Joseph Brook (Limited), Manchester.

EXCEPTIONAL.—Provincial Business, good class; returns £1,100; net profit, after all expenses paid, £300; open to every investigation; good house, with private entrance; price £1,000. Reason for disposal, and all particulars, supplied to bonâ-fide applicants by "Midlands," c/o Evans, Lescher & Webb, 60 Bartholomew Close, E.C. No Agents.

£100 all at; much less than valuation; ready-money Retail and Prescribing Business, situated in main road of a middle and working-class neighbourhood; until recently was doing £15 weekly; rent £45; good house; rare chance for beginner or small capitalist. 21/39, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMIST'S Business for Disposal in a growing neighbourhood outside London; no stores; good prices; no opposition near; will be sold for a fixed price or by valuation, which would be under £100; satisfactory reasons for disposal; large shop and house, low rent. "Medicine" (22/20), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON.—Retail and Dispensing, with good Proprietaries; good prices; excellent house attached, side door; unopposed position on practically new, good class estate; receipts £1,250; can be doubled; price £1,000; an exceptional opportunity: ill-health cause of sale. Apply, "Zebra" (22/35), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MIDLANDS.—Prescribing, Dispensing, &c., good prices, with Wines and Spirits Agency (optional), yielding net profit about £250; corner shop; mahogany fittings; good house (8 rooms); in rapidly growing country market town: good reason for disposal; lease; valuation (about £350) or offer; no agents; population 10,000. Box 147, Post Office, Nottingham.

OLD-ESTABLISHED Light Retail, Dispensing, and Prescribing Business, in Garrison town; returns nearly £1,200; net profit £310 yearly; well stocked; long lease, low rent, large house; price £770; satisfactory reason for disposal; every investigation allowed, and references given. "Genuine" (20/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO Chemists and Dentists.—Old-established good-class Chemist's Business, with small Dental practice, within 20 miles of London; population 13,000; no resident Dentist; present net profit about £400 yearly, with scope for large increase in both departments; price £1,000; books properly kept; every inquiry courted. C. D. (22/1), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PRICE £500 net.—30 miles from Liverpool, centre village of 10.—Well-stocked Business, good paying Proprietaries, Prescribing, General Retail, with Extracting; average net profits £250; commodious house; owner, in treaty for large business, would treat with gentleman of good references, with £400 cash; no agents; only changed hands once in 30 years. Apply, "Opium," Evans, Sons & Co., Liverpool.

A GENUINE Cash Drug Stores and Prescribing Business (very profitable), in large town; established 10 years; good house, corner shop, plate-glass window, low rental; thickly-populated district, in one of the main thoroughfares; capable of extension; price about valuation, or reasonable offer; this is a special opportunity; bonâ-fide reasons for disposal. Address, "Cash Stores," 28 Chapel Street, Manchester.

MANCHESTER.—Chemist's corner Shop; main thoroughfare; populous working neighbourhood; present proprietor (79) retiring after conducting it 40 years without a change; no Sunday trade; energetic man could largely increase business by up-to-date system; opening for Dentist; rent and rates £28; stock and fittings, all at, £235. 19/10, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£560 for genuine up-to-date Light Retail, Prescribing, and own Proprietary Business, in prosperous Yorkshire market-town of over 25,000 inhabitants; takings exceed £700, at good prices; central position; rent of shop and house, £26; not a qualified proprietor in the town; reason of disposal, leaving the country. "Sound" (20/21), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMIST and Druggist, Brighton.—First-class Dispensing and Retail; aristocratic position; fine double-fronted corner premises; good house; established 1835; same hands over 20 years; net profit nearly £200 yearly last 3 years; capable great extension; rent £140 (upper part would let off £70); price £600, including stock; certain fortune young energetic man. Bonâ-fide inquirers with capital, apply to Mr. Ernest Cohen, Business Transfer Agent, 68 Preston Street, Brighton.

FOR immediate Sale, a genuine Light Retail, Dispensing, Family, and Prescribing Business in town or River Thames; a little Photo, Paints, and Tobacco; population about 6,000; exceptional opening for Dental work; prices good; no stores; good house, garden, greenhouse, store; rent £50; long lease; good reasons for selling; private entrance; rooms: 3 sitting, 5 bed; kitchen, bathroom, usual offices; no agents; no cards; returns £800, increasing; price, with lease, &c., £880; cash. Apply, "Marcus" (16/18), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TENDERS.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

TO MANUFACTURERS OF DISINFECTANTS.

THE FULHAM VESTRY are prepared to receive Tenders for the supply of Disinfectants for the twelve months ending the 25th March, 1898.

Tenders must be made on the forms provided by the Vestry, sealed and endorsed "Tender for Disinfectants," and delivered at the Town Hall by 4 P.M., on Wednesday, the 10th March, 1897.

The contractor is required to make a declaration that he pays the union rate of wages, observes such hours of labour as are generally accepted as fair in his trade, and that all unskilled labour shall be paid the minimum wage of 6½*d.* per hour.

The Vestry do not bind themselves to accept the lowest or any tender.

W. J. H. DENSELOW,
Town Hall, Walham Green, S.W. Clerk to the Vestry.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

RETAIL.

AN Assistant, about 23, indoors, for good-class Dispensing business. Apply, Surrey Chemists' Company, Church Street, Weybridge.

JUNIOR or Improver for Country business in the West of England. Apply to E. Handford & Son, Chemists, Torrington, North Devon.

WANTED, a Manager for Branch; qualified; outdoors. Apply, stating age, salary, &c., to W. R. Williams, Chemist, King's Road, Cardiff.

JUNIOR, at once, for good-class Dispensing and Retail; outdoors. Carte and particulars, G. S. Simpkins, Chemist, 75 High Street, Stourbridge.

COMPETENT Assistant required; good address; capable of being left in sole charge; personal interview. Rees, Chemist, 93 Gray's Inn Road.

JUNIOR; a gentlemanly Assistant, about 24; good Dispenser and Counterman. Reply, with height and experience, to Cheverton & Ogle, Tunbridge Wells.

COLE & SON, Pharmaceutical Chemists, Weymouth, require a qualified Assistant. Send details as to age, experience, references, salary required (indoors), height, and enclose photo.

WANTED, an Assistant for the Retail Counter; salary (outdoors), 35s. per week. Apply, giving full particulars, to D. P. Roberts, Drug and Chemical Store, 120 North End, Croydon.

SOUTH AFRICA.—Smart, qualified Assistant wanted for Cape Town; aged 24 to 28. Apply, by letter, to 50/19, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WOMAN Chemist, qualified, can find good position with a Woman Doctor; references as to character required. Write "Box 373," Willing's Advertisement Offices, 125 Strand, W.C.

ASSISTANT wanted, thoroughly experienced in Druggists' Sundries and Surgical Instrument trade. Full particulars, and salary required, to A. W. 352, c/o Deacon's, Leadenhall Street, E.C.

SITUATIONS OPEN CONTD

RETAIL—continued.

W. W. BRUNTON, 160 Earl's Court Road, S.W., requires, immediately, a qualified Assistant about 24 years of age, accustomed to a good-class Dispensing and Retail business: 2 kept.

GRIFFITH & WALDEN, Chemists, Slough, require, early in March, a qualified Assistant. Give all particulars, and state terms in first letter; thorough knowledge of Dispensing essential.

WANTED, good Junior Assistant, accustomed to Country business, to be part-time in Retail and part-time in Wholesale, as required. State salary R. Dresser, Folkard & Co., Pavement, York.

A GOOD Junior or Improver (indoors), for a Dispensing and Family business. Apply, stating age, height, salary, and reference, enclose photo, to John Newcome, Chemist, Grantham, Lincolnshire.

SMART Junior, accustomed to good Retail and Dispensing business. Applicants to state age, references, height, salary, and enclose photo (to be returned), F. Oram, Market Place, Romsey, Hampshire.

WANTED, early in March, a qualified Assistant to manage Branch; Light Retail and Dispensing; good and reliable references indispensable. Address (with photo), R., 95 Cheriton Road, Folkestone.

COMPETENT Assistant wanted (indoors); must be good Counterman; state usual particulars, and enclose photo. J. Phillips & Son, Pharmaceutical Chemists, 92 Commercial Street, Newport, Mon.

FOR Paris.—Chemist's Assistant wanted; fair knowledge of French indispensable; good Prescriber, gentlemanly appearance. Full particulars, address, &c., to Pharmacie Turquety, 37 Rue Galilee, Paris.

WANTED, for March 10, smart Assistant, to take charge of Drug counter in large Mixed Country business; one used to a country trade preferred; 30 to 35. Isou & Sons (Limited), Wellington, Salop.

WANTED, by Medical man in S.E. suburbs, a Dispenser (outdoor); morning and evening. State terms and what time disengaged. 16/33, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

IMMEDIATELY; gentlemanly Assistant, qualified, and with good Dispensing experience; indoors; only one kept; salary £60. Age, height, references, and photo if possible, to Moon, Chemist, Torquay.

NEW SWINDON MEDICAL FUND DISPENSARY.—There is a vacancy for a qualified outdoor Dispenser at the above. Send particulars and testimonials to G. M. Swinhoe, Park House, New Swindon.

MANAGER.—I want smart man with good Dispensing and Counter experience: married preferred; unfurnished rooms. Apply in first instance, personally, 80 Lamb's Conduit Street, London.—Joseph Wilson.

WANTED, a good Junior, well up in Compounding, accustomed to Store business; qualified preferred. State salary required (outdoors), and usual references, also enclose photo, to W. A. Lynass, 5 Ann Street, Belfast.

QUALIFIED Assistant required in good-class Retail; must be a quick and accurate Dispenser; salary £60 per annum, with board and residence away from the business. Apply, F. J. Gibson, Chemist, Wolverhampton.

JUNIOR Assistant wanted, good-class Retail and Dispensing business; applicants must state full particulars as to age, height, salary, &c., and have exceptional references as to character. R. Croft, The Parade, Canterbury.

EARLY in March, a Junior Assistant, about 22, of thoroughly steady habits; abstainer; accustomed to a good-class Dispensing business. Address, with full particulars, enclosing carte, to Mr. Vizer, 154 Marine Parade, Brighton.

STAFFORDSHIRE.—Wanted, qualified Manager, competent and reliable, for Branch in the Potteries; one acquainted with the district preferred. State salary required outdoors, age, and particulars of references, to Jesse Boot, Nottingham.

WANTED, Assistant, aged about 26; well up to Store and Photographic trade; good Window-dresser; short hours; no Sunday duty. State salary required (outdoors), with full particulars, to G. R. Foulston, Chemist, Waterworks Street, Hull.

JUNIOR (indoor) Assistant, about 21; must be well recommended; abstainer preferred. Apply, with full particulars, stating age, height, experience, photo (to be returned), salary, and when disengaged, to J. H. Bowling, Chemist and Dentist, Pembroke Dock.

WANTED, immediately, up-to-date qualified Assistant; outdoors; knowledge of Photography preferred. State age, salary, and references, with photo (to be returned), Floyd & Co., Wholesale and Retail Chemists, Bury St. Edmunds. Established 1770.

AN active Assistant, accustomed to a good middle-class trade; strictly sober; able to speak Welsh; good opportunity for an unqualified to have an interest in a good business; sea-side; give full particulars, salary (outdoors), age, experience; good opportunity to a suitable man. "Wales" (21/3), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, an outdoor Junior Assistant (Minor qualification) in Mixed Country business. Apply, with usual particulars, to Spong & Son, Biggleswade, Beds.

WANTED, qualified Assistant, about 23 or 24; gentlemanly appearance and good Counterman. Apply personally, or by letter, to 48 Regent Street, London, W.

SMART Counterman wanted, accustomed to quick Cash business; also Dispenser; satisfactory references required. Apply, C. S., Davy, Hill & Son, 101 Southwark Street, S.E.

WANTED, by 22nd inst., qualified man, about 32; salary to commence 50s. per week (outdoors). Aldgate Drug Stores (Limited), 116 High Street, E. (near Aldgate East Station).

WANTED, a smart Assistant, about 22, indoors, well up in Dispensing and good Counterman. Send full particulars and salary required, or apply personally, to Lloyd, 267 King's Road, Chelsea.

WANTED, at an early date, a smart qualified Assistant, of good appearance and address; easy hours; half-day weekly; comfortable home. Apply, personally, to Mitchell Parker, Crouch End, London, N.

QUALIFIED Assistant.—A thoroughly competent man required; aged about 26; indoors. Apply, personally, or with photo and full particulars, to R. C. Harrison, Pharmacist, 3 Eltham Road, Lee Green, S.E.

JAPAN.—First class opening in English Chemist's in Japan for qualified Assistant, about 25, with really good London experience; short hours; liberal salary. Full particulars to Dakin Brothers, 87A Leadenhall Street, E.C.

COMPETENT Assistant, of good appearance and address, with good all-round experience, required at once; aged about 24. Apply, with full particulars, stating salary required (indoors), enclosing photo, to Lovett & Bones, Dispensing Chemists, Coventry.

QUALIFIED Assistant, from 25 to 35 years of age; preference given to married man; appointment would be made with ultimate prospect of managership Apply, with usual particulars, and photo if possible, to "Kola," c/o Messrs. Baiss Bros. & Co., 4 Jewry Street, E.C.

MR. WESTRUP, 76 Kensington Park Road, Notting Hill, requires the services of an Assistant, aged about 25, thoroughly experienced in a good-class Dispensing business; neat and accurate. Please apply by letter, giving usual particulars, salary, references, when disengaged.

WANTED, a steady trustworthy Assistant, qualified and married, to take charge of a Branch, with a good house Apply, stating full particulars and references to late employers, stating age, height, salary, &c., with photo if convenient, to W. Pilling, 192 Hyde Road, Manchester.

FASHIONABLE London suburb; qualified: married; under 30; first-class experience in Dispensing and high-class trade; permanency: exceptional terms to good business man; arrangements might be made for Partnership; enclose photo. X., c/o Meggeson, Upper Thames Street, E.C.

SMART qualified Junior for Store trade; must be a good Dispenser and Counterman; bedroom and sitting-room found, but not meals; half day off weekly from 2 o'clock; 1½ hour allowed for dinner. Usual particulars and carte to Field, Breeze & Co. (Limited), Cash Chemists, Birkenhead.

M. BEETHAM & SON, Cheltenham, require a thoroughly qualified Senior Assistant (not under 23) for a high-class Family Dispensing business; must be seeking a permanency and be well recommended. State usual particulars as to age, height, references, salary required, &c., and enclose carte.

KENT.—Good Junior (outdoors); aged 20 to 22; must have had experience in good-class country Retail and Dispensing business; with practical knowledge of Photography preferred. Apply, with photo and full particulars, "Invicta," c/o W. Edwards & Son, 157 Queen Victoria Street, London, E.C.

WANTED, a reliable and good all-round Assistant; character as to sobriety and ability must bear strictest investigation; outdoors; a permanent and easy berth for one knowing his trade. Apply, with photo (to be returned), stating salary required, age, and full particulars, to W. S. Robson, Chymist, Scarboro'.

JUNIOR Assistant; indoors; aged about 20; accustomed to good-class Retail, Dispensing, and Prescribing; quick and accurate; none but good Counterman and thoroughly trustworthy need apply. State salary required, references, age, height, enclosing c.d.v. (to be returned), W. Jacobs, Chemist, Guildford.

ASSISTANT; aged about 23; reliable, and capable of taking entire charge of Dispensing department and to assist in Retail when required; to board out, but sleep on premises in furnished bedroom. Apply, with full particulars, to Faulkner's Drug Stores, 173 Ladbroke Grove, W. (9 doors from Notting Hill Railway Station).

MANAGER, on or before March 1, in good middle-class Light Retail; outdoors; not under 30; London; hours 9 to 10; no other assistant kept. In first letter please state age, salary, qualification, when disengaged, and previous engagement, without which your application may not be considered, to "Veritas" (19/34), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AN Assistant, permanently, indoors, about 27, accustomed to Agricultural and good-class Family business; must be good Counterman and Salesman; no Sunday duty; hours 8 to 8; half-day off Thursday; comfortable home. Applicants must state age, salary required, and enclose photograph (which will be promptly returned); an indoor Apprentice also wanted. J. Wellington, Chemist, Oakham.

RETAIL—continued.

OUTDOOR Assistant wanted at once; must be good Counterman and Dispenser; aged about 25; permanency for smart man; hours 8 till 9.15 (except Thursdays 3 and Saturdays 11). Apply (if by letter, with full particulars and carte) to Goodchild, Drug and Photographic Stores, Harlesden, N.W.

SMART Assistant wanted, for London, to Manage a Branch, not under 24; must be strictly sober, industrious, and have good references. Apply by letter only, enclosing carte and copies of recent testimonials, with salary expected (bedroom provided, but not board), to "Chemist," 82 Stamford Hill, London, N.

BIRMINGHAM.—Fredk. Gibson, Gooch Street, requires an Assistant well up in all branches of his trade; salary about £35, indoors; one morning and evening allowed off each week for recreation or to attend classes: three kept; every necessary information must be sent with references; Sunday duty, 2½ or 3 hours when required.

QUICK and accurate qualified Dispenser wanted shortly; must be competent to take charge of Dispensing department and willing to give occasional help on Counter; permanency for smart, businesslike, capable man; London suburb. Address, giving full particulars as to experience, age, references, salary required, and enclose photo, to 20/3, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.

WANTED, Junior Assistant for City Warehouse; must be energetic, active, and accurate. Apply, "Manager," 9 and 11 Moor Lane, E.C.

WANTED, immediately, competent Assistant, for a Shipping and Mixed trade; comfortable home. Particulars, with photo if possible, to Pointon Newman, Barry Dock.

DRUGGISTS' Sundries.—Wanted, a Representative for the Midlands. Address, stating age and experience, 48/46, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLERS calling on Wholesale and Retail Chemists and Chemical Manufacturers, &c., can hear of good commission. Address, Bennett, Sons & Shears (Limited), 167 Kingsland Road, N.E.

NEWCASTLE-ON-TYNE.—Gentleman, calling upon Chemists and Druggists, can hear of a good Commission. Address, 50/24, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLERS wanted, experienced, thorough knowledge of the Drug-trade essential; must be good salesmen. Address, A. B. (45/37), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BRISTOL. Wanted, to treat with a Commission gentleman residing in Bristol, with a connection amongst Chemists and Druggists. Address, 52/40, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER for Disinfectant.—Wanted, in Lancashire, a first-class man to represent a good house; must be capable and reliable; salary and commission. Apply, with copies of testimonials, to 18/7, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, as Warehouse Clerk, a young man who has passed through Retail apprenticeship or had some Wholesale experience; must be quick, legible writer; salary (outdoors), references, age, &c., in first letter. W. Kemp & Son, Wholesale Druggists, Horncastle.

PERFUMERY.—Wanted, at once, a thoroughly practical man, who could take entire charge of a manufactory if desired; none need apply unless thoroughly competent and who can give highest references. 19/6, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DRUGGISTS' Sundries trade.—Clerk wanted, with a knowledge of the above, for Counter or Desk; salary to commence £50 per annum. Apply by letter, stating age and previous employ, to B. W. (22/4), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SUNDRIES and Patents.—Energetic, careful man, familiar with these goods, and capable of checking orders quickly and correctly. Apply, by letter, stating age, salary required, and where previously employed, to X. Y. Z., c/o Chemists' Club, Farringdon Avenue, E.C.

TRAVELLER wanted, for the Colonies, to represent high-class Perfumery house; liberal terms to a really good man having the suitable experience. Apply, in first instance by letter, stating age and antecedents, to J. Grossmith, Son & Co., Wholesale Perfumers, 29 Newgate Street, E.C.

WANTED, by firm of Manufacturing Chemists, a Laboratory Assistant; must thoroughly understand the manufacture of Galenical, scale, and granular preparations. Apply, stating age, wages, and references, to "Salol" (49/10), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER.—An old-established firm in the North of England requires a Traveller accustomed to calling upon Surgeons. Address, with particulars of experience, references, and stating salary expected, "153," c/o Messrs. Horner & Sons, Mitre Square, Aldgate, London, E.C. An answer in 4 days or declined.

FRENCH Perfumery in bulk.—Wanted, Agent, to push above amongst Wholesale Druggists, Wholesale Chemists, and Druggists' Sundriesmen; must be gentleman already holding another agency for same class of buyers; right article, right price, quick returns; liberal commission and part expenses. Apply to "Wholesale Perfumery" (48/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

LOCUM (qualified); Dentist. "Xenophon," 7 Commercial Street, Shipley.

ASSISTANT; 23; London experience; good references. D. J. Parry, Blaina.

IMPROVER: 19; time for study; London or South. Hyslop, Market Place, Romsey.

JUNIOR; 21: 5 years' experience. W., 155 High Street, Stoke Newington, N.

JUNIOR; 24; good references. "Statim," 92 Commercial Street, Newport, Mon.

JUNIOR; 4½ years' brisk Store trade. W. J., 27 Delverton Road, Newington, S.E.

JUNIOR; 20; 5 years' London experience; tall; abstainer. Venables, 309 Hackney Road.

JUNIOR; aged 19; 5 ft. 9 in.; 4½ years' good experience. "Chemicus," 14 St. Aldate's, Oxford.

JUNIOR; 20½; 5½ years' experience. Buckner, 221 Soho Road, Handsworth, Birmingham.

JUNIOR; 18; 4 years' experience; disengaged March 12. Mason, 33 Castle Street, Hinckley.

QUALIFIED; 25; in Dispensing business; London preferred. E. W., 29 High Street, Windsor.

JUNIOR; 20; disengaged; London; good references. "Photography," 360 Gray's Inn Road, W.C.

QUALIFIED: 21; good experience; Manchester preferred. "Tarax," 4 Guilford Place, W.C.

ASSISTANT; 22; 6 years' experience; London preferred. Hardwick, Cobden Road, Chesterfield.

AS Assistant to Chemist or otherwise, by lady with Minor qualification. Sunnymead House, Oxford.

MANAGER; 40; qualified; outdoors; country experience. A. S., 16 Vickers Street, Nottingham.

AS Improver in Dispensing business; small salary; outdoors preferred. D., 18 Bridge Street, Llangollen.

PART-TIME; qualified; disengaged evenings and afternoons. 21, Beauchamp Road, Lavender Hill.

MANAGER or Locum-Tenens; qualified; highest references. 1 Berkeley Road, Crouch End, N.

IMPROVER or Junior.—Wanted, situation, with time to study; aged 19. Harratt, Ibstock, Leicester.

ASSISTANT; 25; London and country experience; London preferred. Bulman, Cotehill, Carlisle.

MANAGER, Senior, 26: good Dispenser, Prescriber. "Minor," 6 Kingsgate Street, Holborn, W.C.

MANAGER or Assistant; 35; married; Photography, Dentistry. "Delta," 8 Salisbury Street, Shipley.

QUALIFIED; long experienced, town and country; Extractor. "Manager," 13 Kate Street, Leicester.

LOCUM-TENENS or Permanency; qualified; aged 43. C. M., 1 Stratford Villas, Camden Square, N.W.

ACTIVE Assistant; 38; good all-round experience; outdoors preferred. Jackson, 26 Middle Street, Yeovil.

ASSISTANT; 26; first-class Retail and Dispensing experience. Finegan, 22 Promenade Villas, Cheltenham.

MAJOR Student desires one or more evening engagements. Jones, 48 Crampton Street, Walworth, London, S.E.

WANTED, situation; qualified; 10 years' good experience; 26; well recommended. "Chemist," 2 Parade, Berwick.

QUALIFIED Assistant; 28; London; Prescriber, Dispenser; excellent references. B., 23 Harrington Street, N.W.

SITUATIONS WANTED CONTD

RETAIL—continued.

JUNIOR; good references; disengaged March 6. Wright, c/o Messrs. Cheverton & Ogle, Tunbridge Wells.

QUALIFIED; 22; tall; Liverpool or Manchester district. Gray, 7 Albany Road, Chorlton-cum-Hardy, Manchester.

ASSISTANT; 23; qualified; West-end experience; good references; City preferred. Turner, 115 Gloucester Road, S.W.

ASSISTANT; London preferred; aged 28; Extractor, Prescriber, Dispensing. "Statim," 25 Eden Street, Kettering.

LADY-DISPENSER; disengaged; Apothecaries' Hall Certificate; good references. Miss A. Verrall, Swanboro', Lewes.

AS Assistant or Manager of a Branch; 27; qualified; single. Apply, "Extractor," Belle Vue Lodge, High Street, Cheltenham.

JUNIOR (21), disengaged, as Dispenser preferred; London; time for evening classes. James, Market Street, Newtown, Mont.

PART-TIME; qualified; two or three evenings weekly: disengaged after 5 P.M. "Student," 99 Foulden Road, Stoke Newington.

JUNIOR; 21; disengaged; 4 years' experience. "Taraxacum" (21/37), Office of The Chemist and Druggist, 42 Cannon Street, E.C.

PART-TIME or Evenings; disengaged; Store Chemist; or Dispensing for Surgeon; experience. "Antipyrine," 82 Crowndale Road.

JUNIOR; 23; energetic; good Dispenser; experienced; Birmingham preferred. N., 201 St. Vincent Street, Ladywood, Birmingham.

DISPENSER; outdoors; permanency; easy hours: unqualified; experienced; disengaged; aged 33. B., Court Leigh, Malvern.

JUNIOR; 20; 4 years' good-class Dispensing experience; London or South preferred. Barton, c/o Mr. Rye, Chemist, Bournemouth W.

MANAGER; energetic; 21 years' varied experience; tall. "Nux" (20/8), Office of The Chemist and Druggist, 42 Cannon St., E.C.

AS Assistant in good Dispensing business; aged 25; Major; good experience and references. A. B., 11 Brunswick Square, Camberwell.

SENIOR; 26; qualified; outdoors; London preferred; first-class London experience. S., 7 Western Street, Norfolk Square, Brighton.

JUNIOR; 21; 5 years' good Retail and Dispensing experience; outdoors; London preferred; good references. 221 Market Place, Dudley.

MANAGER, Traveller, or Assistant, registered; married; disengaged; references. J. L. V., 11 Brook Road, Ashley Road, Bristol.

ASSISTANT; Retail or Wholesale; Wets, Drys, Export; good Counterman; disengaged; life abstainer. C. H., 24 Main Street, Keswick.

DISPENSER to Chemist or Surgeon; experienced; energetic; 27; disengaged; permanency required. Thornton, 67 Clarendon Road, Croydon.

ASSISTANT; unqualified; 24; 7 years' experience; Wholesale or Retail. 2/7, Office of The Chemist and Druggist, 42 Cannon Street, E.C.

AS Outdoor Assistant or Branch Manager; qualified; married; no family; Extractor; aged 39. Woodhouse, 1 Portwood Street, Liverpool.

AS Dispenser to Doctor or Institution; highly recommended; experienced; Birmingham or district preferred. B., 35 Stirling Road, Edgbaston.

IMMEDIATELY; locum or permanency; qualified; aged 24; Prescriber; Extractor. "Argon," 12 West Terrace, North Ormesby, Middlesbrough.

AS Manager or Dispenser to Hospital; 7 years in business on own account; well acquainted with shipping. "Alpha," 45 Warwick Road, Stratford, E.

ASSISTANT; competent, reliable; aged 29; height 5 ft. 10 in.; 14 years' first-class experience; good references. Perren, 20 Redgrave Road, Putney, S.W.

ASSISTANT; Dispense, Prescribe, Extract, Veterinary work; excellent references; 20 years' experience. Smith, 24 Chippendale Street, Lenton, Nottingham.

OUTDOOR Assistant or Dispenser; unqualified; aged 27; abstainer; disengaged March 11. Davies, c/o Mr. Bird, Pharmaceutical Chemist, High Holborn, W.C.

MANAGER or Locum; Extractor, Prescriber; good references. Bailey, 17 Stafford Road, Brixton, S.W.

EVENING or Afternoon and Evening engagement; qualified. 22/16, Office of The Chemist and Druggist, 42 Cannon Street, E.C.

ASSISTANT; 21½; disengaged; excellent references: abstainer; Photography. Horace Flemons, Brockhall Parade, Northampton.

DISPENSER or Assistant; qualified; good experience and references; disengaged; tall. "Chemist," 30 Hermitage Road, Finsbury Park, London, N.

MANAGER, Locum, or Dispenser; Chemists, Surgeon, or Institution; first-class references and experience; qualified. Shrimpton, 6 Grove Street, Oxford.

SITUATION wanted as Dispenser to Surgeon, morning and evening; salary 30s. "Rex" (19/23), Office of The Chemist and Druggist, 42 Cannon Street, E.C.

MANAGER, Assistant, or Locum; qualified; 30; London preferred; exceptional references; disengaged. "Ajax," 11 Orient Buildings, Hercules Road, Lambeth.

BRANCH Manager or outdoor Assistant; disengaged March 8; qualified; aged 29; married; good experience and references. Ellis, 162 Shepherd's Bush Road, W.

REGISTERED Chemist and Surgeon-Dentist desires Managership; married; reliable; experienced; disengaged. "Dental," Plant Cottage, Bollington, Cheshire.

MANAGER for Branch; varied experience; good Prescriber and Extractor; middle-aged; married; permanency desired. "Theta," 132 Woodhouse Street, Leeds.

A YOUNG Lady seeks a post as Assistant Dispenser; Apothecaries' Hall certificate; good experience and references. Apply to R., 13 West Road, Park, Tottenham.

ADVERTISER wishes morning engagement; Manufacture, Dispense, or otherwise. "Redfern" (22/13), Office of The Chemist and Druggist, 42 Cannon Street, E.C.

MANAGER of Branch; qualified; aged 36; good Tooth Extractor; knowledge of Photography; married; references; good address. "Camphor," 42 High Street, Putney.

JUNIOR; 5 ft. 8 in. (18½ years); over 3½ years' experience; abstainer; Western suburb (London) preferred; disengaged 1st March. Wooster, 31 Madeley Road, Ealing, W.

MANAGER; qualified; temporary or permanent; Dispenser, Prescriber, Extractor; town and country experience; excellent references. Hole, Medical Hall, Chelmsford.

QUALIFIED; 26; Manager or Senior, in good-class Pharmacy; varied experience; disengaged about the end of March. "Vox," College Pharmacy, Bath Road, Cheltenham.

FOREIGN Assistant, 25, speaking German and French fluently, also a little English, good references, wishes situation in a London Pharmacy. Schweitzer, Aigle, Switzerland.

MANAGER, qualified, 46, tall, desires permanency; mixed Country trade; Midlands or Welsh border county preferred; exceptional all-round experience. "Chemist," 40 Canal Street, Saltcoats, N.B.

GENTLEMAN, with superior experience, desires the responsibility of small select business, with view to purchase; unexceptionable references; S. or W. of England preferred. Evans, 23 Broadgate, Coventry.

MANAGER, or position of trust, in Lancashire (Liverpool district); Wholesale or Retail; qualified; 29; well recommended; abstainer; good experience, including bookkeeping; would travel if required. Haden, 10 Bridge Street, St. Helens.

WHOLESALE.

WHOLESALE, Dry, or Dispenser; state salary; married. 52 Eight Avenue, Heaton, Newcastle.

TRAVELLER; Drugs or Sundries; London; disengaged. "Taraxacum," 29 Ifield Road, Fulham Road, S.W.

JUNIOR; 7 years' experience; Wholesale or Store preferred. Apply, W. B. Ridley, 5 Coningsby Road, South Ealing, W.

YOUNG man (25) seeks situation in Warehouse; good references. J. Whale, 2 Gathorn Road, Wood Green, London, N.

PILL Maker and Coater seeks situation: thoroughly experienced; good references. "Pills," 239 Gray's Inn Road, London, W.C.

WHOLESALE; aged 20; just finished 3 years' apprenticeship to Retail. H. J. Cope, 236 St. Vincent Street, Ladywood, Birmingham.

TRAVELLER (experienced); Drugs or Sundries; good appearance; guarantee; highest references. "Traveller," 7 Commercial Street, Shipley.

WHOLESALE—continued.

PERFUMERY.—Advertiser (21), 5 years' experience, desires re-engagement; Clerk or Representative; indoors. W. B. Player, 17 Savernake Road, Hampstead.

TRAVELLER, active, energetic, 25, of good address, could represent a good house—Drug or Sundry; excellent references. "Fides," 136 Sheffield Moor, Sheffield.

TRAVELLER now representing good firm requires extra Commissions; London and Home Counties. "Alpha," 2 Bonar Road, Commercial Road, Peckham.

MANAGER of Pill Room seeks engagement; can coat, gelatine, silver, and varnish, also make Tablets; well up in Latin. Address, "Pills," 288 Vauxhall Bridge Road, S.E.

ADVERTISER, giving up Retail; 14 years' experience; wishes to represent wholesale firm as Traveller; Midlands (preferred). Address, 336 Alfreton Road, Nottingham.

COST and Ledger Clerk: 10 years' Wholesale and Retail experience; open for vacancy as such; or as Traveller. C. (11/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER for Drug or Sundry house, or Assistant; 15 years' Retail experience; connection Town and South-West. "Road" (20/22), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER, with good connection amongst Chemists and Medical men, North of England, Scotland, and Ireland, seeks re-engagement; instruments, sundries, &c. Box 147, Post Office, Nottingham.

TRAVELLER (good connection in Ireland) is auxious to represent good English Wholesale house; Drugs and Sundries. Address, 17/39, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER, with good connection in Midlands, wishes engagement with Bottle and Sundry house; highest reference and guarantee given. 18/9, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ADVERTISERS recommend a man of long experience in the manufacture of Coated Pills, Horse Balls, &c., with a leading firm; small wages required. "Carmine" (18/16), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

GENTLEMAN, aged 32, at present engaged in the Retail, wishes to invest £300 in a sound Wholesale business, also to take some active part in the house, or as Town Traveller. Clifford, 12 Hamilton Terrace, Shakespeare Road, Herne Hill.

TRAVELLER, of many years' experience, at present representing old-established house amongst Doctors and Chemists (town and suburbs), is open for re-engagement. Reply, W. (22/3), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, Commission or Agency for Sheffield and 20 miles round for Drugs, Chemicals, Sundries, and Special Goods; 14 years' commercial experience. Address, "Apex" (19/31), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AS Traveller, or responsible position with view to same; 7 years on own account in Manufacturing Packed Drug trade; experienced traveller; energetic and pushing; good address and appearance; references and guarantee. Fern Villa, Penn Fields, Wolverhampton.

ADVERTISER (29), now managing large Retail business, wishes situation as Representative to good house; excellent references; salary not so much as object as opportunity to prove ability. Z. (17/34), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A GENTLEMAN, well versed in Pharmacy, Pharmacology, and the technicalities of the Drug trade, desires appointment in a Wholesale Drug House as Manager of Advertisement department and Pamphleteer; some years' experience. A. (40/1), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

GOLD FIELDS.

MANUFACTURERS are invited to send particulars of Novelties, &c., connected with the Drug trade, to Black Flag Pharmacy, near Coolgardie, Western Australia.

DAISY Window Attractions are so successful that Mr. Agar, chemist, South Bank, wrote to say that had he not occasionally taken it out, the window would most certainly have been pressed in by the crowd. If you want your window smashing thus, write for particulars. "Daisy," Leeds.

TO Food Manufacturers and others.—A Gentleman conversant with the principles and physiology of foods, and having a connection among Medical men is open to engagement as Representative; moderate salary to begin with. Address, Allan S. Watson (20/35), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANTS rapidly prepared personally and through the post for all examinations; most successful system; numerous high passes at Major, Minor, and Apothecaries' Hall; competent tutors in all departments. Apply, Mr. G. E. Skerry, M.A., the City School of Chemistry and Pharmacy, 27 Chancery Lane, London.

TO PATENT MEDICINE MANUFACTURERS AND OTHERS.—A quantity of small White Glass Vials and Corks, 2⅜ in. long, ⅝ in. diameter, hold about 24 Little Liver Pills, and Round Wooden Boxes, 3½ inches long, 1 inch diameter, for sending through the post; clean and quite new; first offer for both or separate by the gross; sample of both, 3 penny stamps. Attwood, 16 Shipka Road, Balham, Surrey.

CHEMISTS' Shop-fixtures.—Ranges mahogany drawers, with bevelled-edge glass labels and out-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; bent-front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 14 Manchester Street, Liverpool.

TO CHEMISTS AND DRUGGISTS.—The Koko Maricopas Company (Limited), 11 Gray's Inn Road, London, will supply a Flag and Pole (free) to be fixed over the shop, with the words in white letters, "Koko for the Hair," and with the name, &c., of Chemist underneath; this is found to be a splendid advertisement for Chemists and Druggists; a beautiful picture of Miss Ellen Terry (framed, 22 in. by 16 in.) can be had on application either to Messrs. Butler & Crispe, 82 Clerkenwell Road, London, or to the Company at above address; write for particulars.

CHEMIST'S 12-ft. range 60 mahogany-fronted drawers, bevelled-glass labels, glass knobs, pilasters, shelves, mahogany cornice above, lockers below, complete high-class fitting, £13; 6-ft. mahogany bent plate-glass counter-case, display-shelves, mirror-backs, trays, &c., 97*s.* 6*d.*; 5-ft. similar, 80*s.*; handsome 6-ft. mahogany glass wall-case, £8 10*s.*; new and second-hand wall-cases, dispensing-screens, enclosures, counters, glass shelves, shop-rounds, jars, &c.; Chemists fitted complete. Mills, Shopfitter, Show-case Manufacturer, 203 City Road, London, E.C.; Steam Works: 82 Bath Street, E.C.

ESPECIALLY Cheap Chemists' Shop-fittings.—2 ft. 6 in. bent-glass counter-cases, with mirror falls and lined blue cloth, 25*s.* each; 10 mahogany counter-desks and plate-glass perfume-cases, 45*s.* each; flat plate-glass counter-case, 4 ft. long, mirror falls and plate-glass ends, 63*s.*; glass wall-showcase, 8 ft. long by 8 ft. 4 in. high, with shelves complete, £11 10*s.*; 4 nickel-plated stands, with 3 octagon plate-glass bevelled shelves to each, price 25*s.* each; and an enormous selection of ranges of drug-drawers, shelving, lockers, cornice, &c.; counters, plate-glass and panelled fronts; dispensing-screens; counter-showcases; bottles, ung. jars, &c., &c. Philip Josephs, 54 Old Street, City Road, London, E.C.

TO be Sold, immediately, high-class Stock of Chemist's Fittings, including elaborate ranges of solid mahogany-fronted drawers, fitted with bevelled-edge labels, crystal-cut knobs, 10 to 20 ft. long; also ranges of shelving and lockers to match; 20 plate-glass fronted counters, mahogany tops, the backs fitted with numerous drawers, including cash, label drawers, &c.; solid mahogany wall-cases with movable shelves, 6 ft. to 20 ft. long; immense stock of window-enclosures, bent-glass show-cases, sponge-cases, massive dispensing-screens, from 70*s.* upwards, and everything appertaining to the Chemist's business. Shops, &c., fitted up entirely within a fortnight's notice, from £50 upwards, by most experienced men. Write for testimonials, Edwards & Co., Medical Fitters, 108 Whitechapel, Liverpool.

CHEAP GOOD PERFUMES.

QUINTESSENCES (Rouse's) enable the Retail Chemist to make his own Perfumes without trouble at a cost of 4*d.* per oz.; a booklet, giving full particulars, together with samples of labels, sent free on receipt of post-card. Rouse Bros., Man'f'g Perfumers, 61 Charlotte Street, Tottenham Court Road, London, W.

PRELIMINARY AND MINOR.

STUDENTS! Write to-day for a "Guide to Examination," gratis and post free, giving the best advice how to prepare. Knotty Points in Latin Grammar, 1*s.* 6*d.*; Cæsar Simplified, 1*s.*; Metric System Simplified, 1*s.*; How to Write an Essay, 3*d.*; Equations Simplified, 1*s.*; Notes on Dispensing, 1*s.*, post free. Mr. J. Tully (Hills Prizeman), Chemist, Hastings.

PATENTS, DESIGNS, AND TRADE MARKS ACTS, 1883 to 1888.

NOTICE IS HEREBY GIVEN that William Alexander Ross, of No. 8 Chewton Road, Walthamstow, county Essex, has applied for leave to Amend the Specification filed in pursuance of the application for Letters Patent, No. 24601 of 1896, for "A Protecting Sheath for Infant Feeding Bottles."

Particulars of the proposed amendments were set forth in the Illustrated Official Journal (Patents) issued on the 10th February, 1897.

Any person, or persons, may give notice of opposition to the amendment (on Form G) at the Patent Office, 25 Southampton Buildings, London, W.C., within one calendar month from the date of the said Journal.

(Signed) H. READER LACK,
Comptroller General.

Exchange Column—Bargains

TERMS.

DEPOSIT.—The purchaser of anything advertised in the Exchange Column may remit the amount to us, and we only pay the money deposited on advice from the remitter. We charge a commission of 6*d.* on any transaction of £3 or less, or 1*s.* if above that amount.

Advertisements in this section must be paid for in advance, and are charged at the rate of ½*d.* per word, provided the advertiser attaches his name and address. If he pays **1d.** per word his name and address is registered and a figure attached to his advertisement, in both cases the minimum charge being 6*d.*; letters are then forwarded by us to their proper destination.

APPARATUS.

Pessary-mould, nearly new, cost 10*s.* 6*d.*, accept 7*s.* C. WILSON, 10 Rotherhithe New Road, S.E.

Soda-water machine, also a syphon-filler; both perfect: must be sold to make room; what offers? FITTON, Chemist, Hertford.

Two handy portable sheep-dipping machines; equal to new; cost over £5 each; will take £3 each cash; sketch sent. 21/36, Office of the *C. & D.*

FORMULÆ.

Reliable recipes; cheap. Send wants to 21/10, Office of the *C. & D.*

Book of 130 well-tried recipes for chemists; general, remedial, veterinary, toilet; post free, 1*s.* 6*d.* TULLY, Chemist, Hastings.

To Energetic Chemists.—6 up-to-date recipes, daily and enormous sale, neatly copied, 2*s.* "MEDICUS," 43 Church Hill, Penistone.

OPTICAL AND PHOTOGRAPHIC.

Thirty excellent *x*-ray lantern-slides, 6*d.* each; list stamp. PICKERING, Chemist, Leicester.

Sixty microscope-slides, 2*s.* 3*d.* doz., 10*s.* the lot; exchange books; approval. LINTIN, 170 Freedom Road, Sheffield.

Magic Lanterns, second-hand; Wrench's telescopic triple and biunial; Ladd's oxyhydrogen microscope; grand biunial patent pamphengos oil-lantern, gives 14-ft. picture; slides and effects; bargains. HUGHES, Brewster House, 82 Mortimer Road, Kingsland, N.

Camera, ½-plate, square, brass-bound, rising, falling, cross, and spring front, double swing, swinging from centre, reversing and wide-angle back, fine rack and pinion, focussing from shortest to longest focus; 3 double dark slides, brass-bound, fitted with self-acting spring catch, brass inlaid numbers; made of guaranteed 10-years-old wood; moveable stereo. division; bellows have V-shaped supports, thus preventing sagging; exquisite workmanship; almost identical with well-known maker's £9 cameras, for £3 19*s.*; inspection invited. MATTHEW, 529 Battersea Park Road, London, S.W.

PROPRIETARY ARTICLES.

Thirty-three 7½*d.*, 22 1*s.* 1½*d.* Mandall's licoricine; what offers? 21/11, Office of the *C. & D.*

Sale or exchange, 200 packets Clarke's wheat-protector; cwt. Biggs's sheep-dip, 4-lb. tins. POTTS, Ilkeston.

Four Godfrey's cordial, 8 Murray's gout-specific, 1 Barry's tricopherus; cash offers wanted. DAVISON, Chemist, Hastings.

Champny's chicken preparation, 34 6*d.*, 8 1*s.*, 6 2*s.* 6*d.*; poultry spice, 33 6*d.*, 5 1*s.*, 6 2*s.* 6*d.*; good condition; what offers? ROBERTSONS, Chemists, Elgin.

BOOKS AND PERIODICALS.

Ganot's "Physics," splendidly bound, 10*s.* 6*d.*, worth double; approval. FREEMAN, Post Office, Stowmarket.

SHOP FITTINGS.

Dental show-sets, complete and partial, for disposal, cheap. Address, "DENTIST," 12 Glasshouse Street, Piccadilly, London.

Nine doz. 1-lb., 4 doz. ½-lb. hand-made stoppered shop-rounds, fine bottles; what offers? DAY, Chemist, Hither Green, S.E.

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290 gallons genuine mushroom-ketchup, by gallon or 6*d.* bottles. JNO. H. SMITH, Manufacturer, Newark.

2½ lbs. gum opium Turkey, druggists' bottles measures, &c., 30*s.*, or offer. WHITLEY, 258 Camberwell New Road, London, S.E.

What offers? 1 yd. spongiopiline, 5-grain pill-machine, 120-grain pessary-mould, Bracher's automatic still. CARTER, Chemist, Eastbourne.

Surplus patents; 2 show-carboys, 2-galls. capacity, plain stoppers, as Maw's fig. 1, 3*s.* 6*d.* each; Tanner's "Practice of Medicine," 2 vols., what offers? HEBBLETHWAITE, Drypool, Hull.

Six 1-doz. boxes of soluble quinine pessaries, 3*s.*; gun-metal oval mould for making above, holds 6, 7*s.*; also recipe for making the pessaries, 13 stamps; carriage paid. LAKEMAN, Chemist, Leytonstone.

About 1 cwt. crystal cream of tartar; ½ doz. 1*s.* 1½*d.* Woodcock's cough-pills; ½ doz. 1-oz. Boudault's pepsin; 4 doz. 1*s.* 1½*d.* Storcroft's throat and chest-cure; 5 4*s.* 6*d.* Geddes's fluid extract of hemlock-bark; what offers? BROADBENT, Honley, Yorks.

WANTED.

Drug-mill; state price. BUTTERFIELD, Chemist, Harrogate.

Vulcaniser for three flasks, with Gartrell's gauge. ROWE, 25 Broadway, Hammersmith.

Small printing-machine, self-inker, type, &c.; good condition; particulars. 43 Ryland Street, Birmingham.

Kelly's "Chemists and Druggists and Allied Trades' Directory"; must be recent date; price? MILLHOUSE, Gravesend.

Celluloid dentures, also show-case for same; must be in good condition. SYLVESTER RICHARDSON, Chemist, Stockton-on-Tees.

"Latin Pharmacopœia," 1851 edition; Ince's "Latin Grammar," 6th edition; published price offered; immediately. AVERY, High Street, Walton-on-Thames.

Strong retort-stand; Newth's "Inorganic"; Ince's "Grammar"; Everitt's "Physics." State edition and lowest price to DUTTON, Dragon View, High Harrogate.

Printed by SPOTTISWOODE & Co., New-street Square; and Published at the Office, 42 Cannon Street, in the City of London.—*February* 20, 1897.

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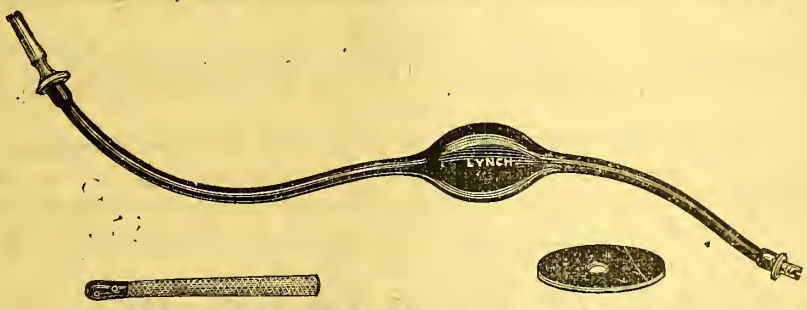
Will not go hard in cold weather.



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Chemists will find this Enema worth their attention.

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Divided into 2,500 Ordinary Shares of £5 each, 375 Founders' Shares of £1 each, and 1,000 Deferred Shares of £5 each.

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Send particulars of size, subject matter, and colour, when price for one Tablet and upwards will be sent.

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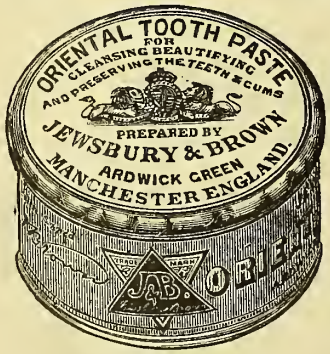

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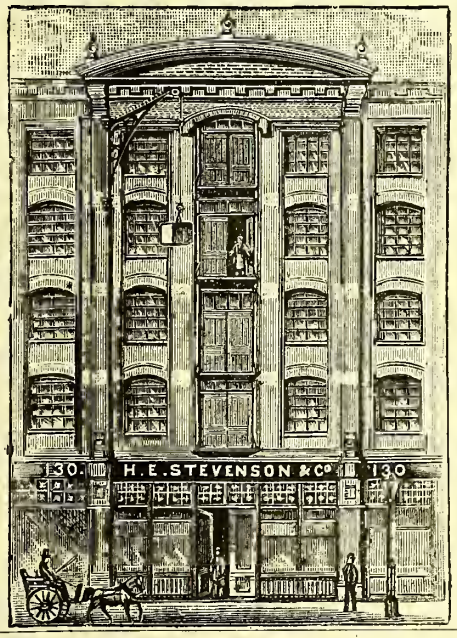

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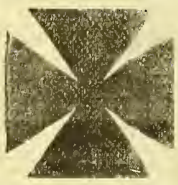

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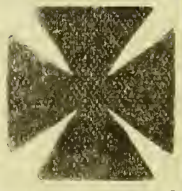

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Soluble in Water.

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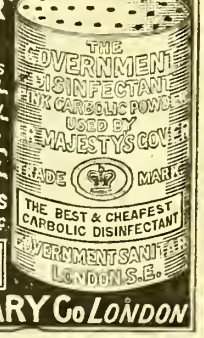

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SAMPLES & PRICES ON APPLICATION.

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Used by all the largest Pill Makers.

SUITABLE ALSO FOR

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PILL MASSING MACHINES.

PILL PIPERS, CUTTERS, ROUNDERS, COATERS, "SPIRAL BRUSH" POWDER-SIFTERS (WITH INTERCHANGEABLE SIEVES).

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"Universal" Machine taken to pieces for cleaning.

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Are now working in Almost Every Trade where DRY POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation.

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OIL, TIME, MONEY.

THOUSANDS IN USE.

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FIG. 2

This is a representation of our "WILLCOX" NEW SEMI-ROTARY PATENT PUMP, with Improved Taper Barrel Attachment. It is easy to work and simple in construction, and is admitted to be the best article in the market for Pumping Paraffin Oil and all kinds of Liquid from barrels or tanks into other receptacles.

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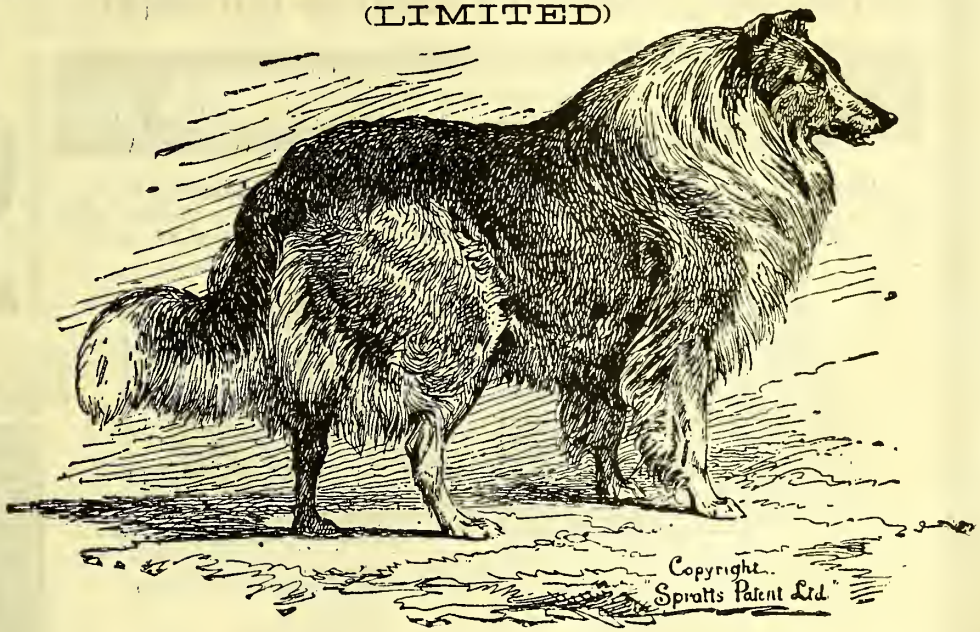

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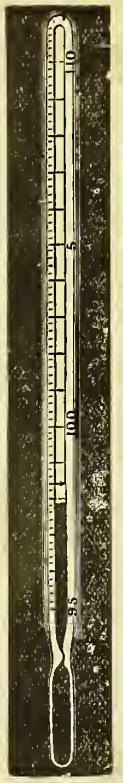

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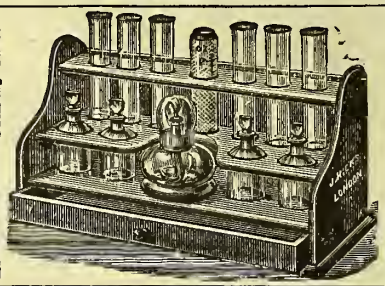

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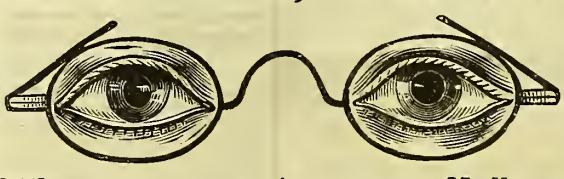

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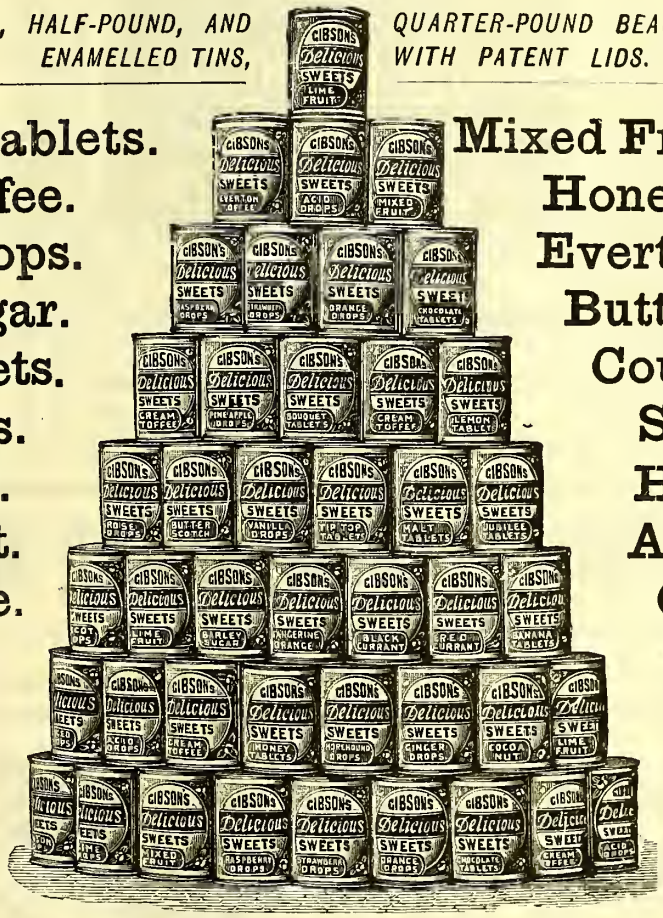

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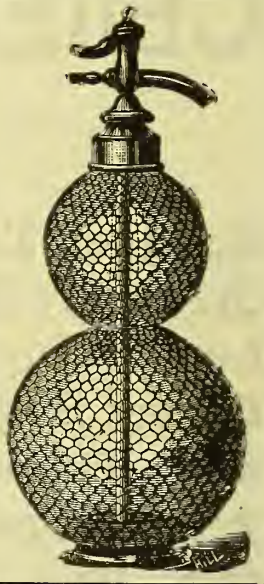

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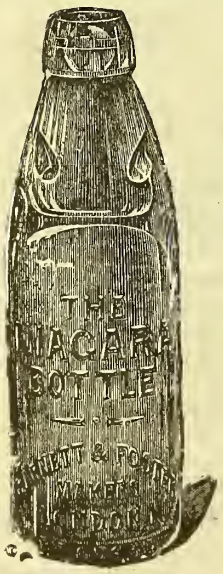

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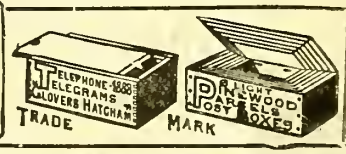

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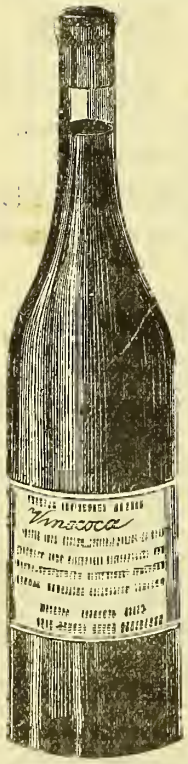

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CHIEF SCOTCH AGENCY — West Nile Street, GLASGOW.

The Public say: "There is Merit in it,"

And the Trade say: "There is Money, Plenty of Money, in it."

The renewal orders we are daily receiving are convincing evidence that DR. TIBBLES' VI-COCOA has been favourably received by the public. There is certain, therefore, to be a very large demand, as it is a thoroughly scientific compound offering advantages possessed by no other preparation.

DR TIBBLES' VI-Cocoa

6d. Packets (Retail); 2 dozen in a box, 5/- per dozen.
9d. Tins (retail); 2 dozen in a box, 7/6 per dozen.
1/6 Tins (Retail); 1 dozen in a box, 15/- per dozen.
DISCOUNTS.—5 per Cent. Discount on Orders up to £5, 7½ per Cent. Discount on Orders for £5 and upwards.
TERMS—Cash within 7 days.
CARRIAGE PAID on Orders value £2 and upwards.
ATTRACTIVE SHOWCARDS, &c., liberally supplied with all Orders.

Send your Order to Dr. TIBBLES' VI-COCOA, Ltd., Suffolk House, Cannon St., LONDON, E.C.

And obtain your fair share of the profits that are daily being made by our customers everywhere.

"LIVE, and LET LIVE."

THE FRAME FOOD CO., LTD., desire that all retailers should have a reasonable, living profit on the sale of "**Frame Food**" **Preparations.** To ensure this they have fixed minimum retail prices, below which they will not permit their goods to be sold. They also give no **graduated discounts** on large orders, but allow their **highest discount** on purchases of **£2** value and upwards, thus placing all retailers upon the same terms.

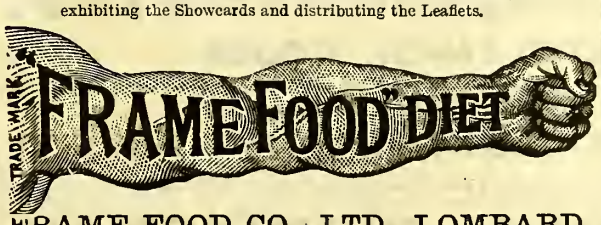
Goods sent carriage **forward.** No Packages charged or to return.

These terms ensure an average **Profit of over 30 per cent.** on goods sold at advertised prices, and of **20 per cent.** at minimum prices.

Write for Trade Terms and Anti-cutting Agreement.

Satisfactory references or cash required for new customers.

An Attractive FRAMED SHOWCARD, and Leaflets with Retailer's printed Address (in red ink), sent Carriage Free on application—(MENTION THIS PAPER). The **Frame Food Co.** trust that retailers will show their appreciation of the Company's efforts to ensure them a reasonable profit on the sale of "Frame Food" Preparations, by exhibiting the Showcards and distributing the Leaflets.



New & Improved Package.

LARGER PROFIT TO RETAILERS.

THE FRAME FOOD CO. have adopted a new air-tight covered Jar for "Frame Food" Jelly, which will ensure its keeping any length of time. In fixing the Retail and Trade Prices of the new package, they have taken the opportunity of securing a larger margin of Profit to Retailers, who will find it to their advantage to recommend the Jelly to their customers.

The 1s. and 7d. sizes are now withdrawn.

"Frame Food" Jelly possesses the nutritive and digestible properties of Malt Extract, and is much cheaper and more palatable.

Advertised Retai Price, 9d.;
Minimum Retail Price, 8½d.

TRADE TERMS ON APPLICATION.

FRAME FOOD CO., LTD., LOMBARD RD., BATTERSEA, LONDON, S.W.

NON-EXCISABLE

COCA WINE

NO WINE LICENCE REQUIRED!

Champagne reputed pints and half-pints. Also Coca Wine (Harker) excisable.

C. R. HARKER, STAGG & MORGAN

15 LAURENCE POUNTNEY LANE, LONDON, E.C.

FOR INFANTS AND INVALIDS.

KYDDE'S FOOD

IS UNEQUALLED.

KYDDE & CO.

10 SOUTHWARK BRIDGE ROAD, LONDON, S.E.

IRISH HONEY

AT REDUCED PRICE.

We offer Irish Honey in Kegs of about 80 lbs. net.

Single Kegs at .. 50/- per cwt.
Five ,, .. 49/- ,,
Ten ,, .. 48/- ,,
14-lb. Self-opening Tins, 2/- per cwt. extra.
7-lb. ,, ,, 3/- ,, ,,

The quality is very fine this Season. Some Honey of 1894 and 1895 at 32/- per cwt.

Beeswax, warranted genuine, at £9 per cwt.

Cash Discount, 2½ per cent. Packages free.

GEORGE WHITE & SONS, WATERFORD.

GUEST & CO.

CITY WORKS, CARRUTHERS STREET, MANCHESTER.

MAKERS OF MEDICATED LOZENGES AND JUJUBES.

B.P., T.H. Ph., and General Proprietary Lozenges. Finest Gum Jujubes and Pastilles—Glycerine and Black Currant, &c. Granular and all other Effervescing Preparations. Boiled Sugars, Floral Tablets.

SEND FOR LIST, SAMPLES, AND COMPARE.

Telephone 235. Telegrams "GUESTO."

Profitable Extras for Chemists.

TOBACCO, CIGARS, CIGARETTES.

AND TOBACCONISTS' FANCY GOODS.

All Packet Tobaccos, Cigarettes, and other Tobacconists' Proprietary goods supplied at Manufacturers' own List Prices. Every Smoker's Requisite and all Novelties—Up to Date—in one order.

MINIMUM OF TROUBLE—MAXIMUM OF PROFIT.

SEND FOR ILLUSTRATED PRICE LIST (200 PAGES), POST FREE.

SINGLETON & COLE, BIRMINGHAM.

WARRICK

MAKERS of FLEXIBLE CAPSULES.

Best Quality Envelopes. Best Quality Ingredients.

PORTPOOL LANE, GRAY'S INN ROAD, LONDON, W.C.

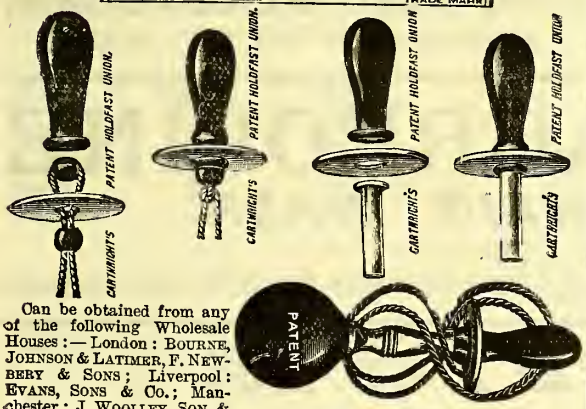
BROTHERS.

A. S. CARTWRIGHT,

Patentee and Manufacturer of all kinds of

PACIFIERS FOR CHILDREN WHEN TEETHING, FOOD REGULATORS, BOTTLE UNIONS, &c.

75 Ford St., Hockley, Birmingham



NIGHTINGALE PACIFIER
BALL WHISTLE & TEAT

Can be obtained from any of the following Wholesale Houses:—London: BOURNE, JOHNSON & LATIMER, F. NEWBERY & SONS; Liverpool: EVANS, SONS & CO.; Manchester: J. WOOLLEY, SON & CO.; Birmingham: SOUTHALL BROS. & BARCLAY; Sydney: ELLIOTT BROTHERS (LIMITED); Melbourne: FELTON, GRIMWADE & CO.

BEESWAX.

GUARANTEED PURE, YELLOW AND WHITE.

In Blocks, Cakes, Tablets, or any other form at lowest possible prices.

FREE TO ANY PLACE OF THE UNITED KINGDOM.

AND BEST PURE BLEACHED CARNAUBA WAX.

LÜNEBURGER WACHSBLEICHE

(Wax Bleaching Works),

LÜNEBURG, near HAMBURG, GERMANY.

DIAMOND EMERY CO.

(LIMITED).

DIAMOND BRAND.

MANUFACTURERS OF

EMERY STONE	EMERY CLOTH
EMERY CORN (all sizes)	GLASS PAPER
EMERY RUBBERS	GLASS CLOTH
EMERY FLOUR	GROUND GLASS
EMERY PAPER	KNIFE POLISH

POLISHING PASTE & ALL POLISHING MATERIALS

Works: Garston Docks.

Head Office—**136 THE ALBANY, LIVERPOOL.**

WHITE BEESWAX,

WARRANTED PURE. BLEACHED BY SUN.

RECOGNIZED AS THE STANDARD IN THE UNITED STATES.

Write for Sample and Quotation, naming quantity desired.

THEODOR LEONHARD, PATERSON, NEW JERSEY, U.S.A.

ESTABLISHED 1852.

TRY IT IN YOUR BATH.

SCRUBB'S CLOUDY FLUID AMMONIA

MARVELLOUS PREPARATION.

Refreshing as a Turkish Bath.
Splendid Cleansing Preparation for the Hair.
Allays the Irritation caused by Mosquito Bites.
Restores the Colour to Carpets.
Of all Chemists, Etc.

Invaluable for Toilet Purposes.
Removes Stains and Grease Spots from Clothing.
Invigorating in Hot Climates.
Cleans Plate and Jewellery.
Price 1s. per Bottle.

SCRUBB & CO., 32b SOUTHWARK STREET, LONDON, S.E.

THE WANT OF THE DAY!

NO MORE SOFT LINEN WHEN STARCHED.

Used in the Royal Laundries.

Should be used in Every House.

The Greatest Boon ever offered to the Laundress for imparting an IVORY-FINISH to Starched Linen, Laces, &c. It does not stick to spider-web-like materials.

CRITCHLEY'S STARCH GLOSS

Registered No. 40376.

Once Tried, Always Wanted.

Makes Old Linen like New.

From the Chief Laundress to H.R.H. the Prince of Wales:—West Newton, near Lynn, Norfolk, Aug. 23, 1879. Sir,—Having tried your "Starch Gloss," I certainly think it a great improvement—far superior to any I have tried. Yours truly,
To Mr. Critchley. E. Elder.

Sold by Chemists and Druggists, Grocers, Oilmen, &c., in Packets at 1d., 3d., 6d., and 1s. each.

PREPARED ONLY BY

T. CRITCHLEY, CHEMIST AND WHOLESALE DRUGGIST, BLACKBURN.

LONDON DEPOT—107 WHITECROSS STREET, E.C.

ROBARE'S AUREOLINE

Or GOLDEN HAIR WASH.

4-oz. Bottles, 32/-; 10-oz. Bottles, 64/- per doz.

To be obtained Wholesale from R. HOVENDEN & SONS, & from all the principal Patent Medicine Warehouses in London

CAUTION.

A. S. LLOYD'S EUXESIS,

FOR

SHAVING WITHOUT SOAP, WATER, OR BRUSH.

R. HOVENDEN & SONS having purchased under an administration suit the business of the late A. S. LLOYD, with the receipt, trade-mark, and goodwill of the celebrated Euxesis, the trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses.

The label is printed with Black Ink only on a yellow ground, with our Trade Mark at the bottom.

LONDON & SONS
Trade Mark

30, 31, 32 & 33 BERNERS ST., W.; & 87, 91, 93 & 95 CITY ROAD, E.C., LONDON.

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on genuine EUXESIS bear signature of A. S. LLOYD in BLACK INK, and that of his Widow, AIMÉE LLOYD, in RED INK. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

3 SPUR STREET, Leicester Square, LONDON, W.C.

N.B.–When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

PERFECTLY PURE. WRITE FOR OUR PRICES BEFORE ORDERING.

S V R 0/56 0/60

TINCTURE SPIRIT

60 O.P. AT LOWEST PRICES. 56 O.P.

PURE ORANGE WINE.

S V M 0/61 0/64

AT LOWEST PRICES.

Special Terms to Large Buyers.

PURE GINGER WINE.

FOREIGN WINE AND SPIRIT MERCHANTS.

SOLE PROPRIETORS OF THE FAMOUS **"GLENALLAN"** PURE MALT WHISKY, 7 YEARS OLD. THE CREAM OF SCOTCH WHISKY. Per doz. 42/- Per doz.

BOORD & SON,

DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS.

ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.

Quotations for S.V.R. Methylated Spirit and Finish on application.

FINEST ORANGE WINE FOR QUININE.

JAMES BURROUGH

FINE PORT without Tannin
FINE SHERRY for Medicinal Uses, &c.
FINE MALAGA for Steel Wine, &c.
FINE BURGUNDY for Invalids
S.V.R. *and Methylated Spirit at lowest present prices.*

CALE STREET DISTILLERY

All at Lowest Prices and specially recommended.

CHELSEA.

Do you require Petroleum Jelly?

If so, SNOWDON'S PETROLEUM JELLY, White or Yellow, is the best and purest obtainable. It fulfils all the requirements of the B.P., is pronounced by the Medical Profession to be unsurpassed, and Dr. S. Rideal, D.Sc. Lond., F.I.C., F.C.S., states that the various kinds are of "uniform good quality."

Have you seen our New Speciality in Petroleum Jelly?

The "SNOWDRIFT" (Regd.) BRAND is of a tough or stringy consistency, and is highly commended by *The Hospital*, which says of it "That its tough or stringy nature is a great improvement. We learn that already the demand for the "Snowdrift" Brand is very great. It is cheaper than ordinary vaseline, and we confidently recommend it to the Medical Profession." Samples and Prices will be sent on application.

Send for a Sample of "Snowdrift."

Address SNOWDON, SONS & Co., Millwall, London, E.
Telegraphic Address: "SNOWDRIFT, LONDON."
Telephone: 5127.

SALVO PETROLIA

A SUPERIOR VASELINE.

May be procured through all Chemists and Druggists, and is Manufactured solely by the Proprietors,

THE DEE OIL COMPANY,

LIMITED,

Works: SALTNEY, CHESTER.

SALVO PETROLIA

Sanctioned by the Board of Trade Marine Department, and included in their instructions issued May, 1894, to superintendents of Mercantile Marine Offices.
Manufactured in five distinct qualities—White, Lemon, Yellow, Golden, and Red (Veterinary).
Packed in tins 1, 2, 4, 5, 7, 10, 14, and 28 lbs., 56 and 112 lb. Drums, and 3 cwt. Barrels.

OLEUM DEELINÆ

(REGISTERED).

Generally Adopted by the Medical Profession for

Ophthalmia, Scurvy, Ringworm, Eczema, and all Skin Diseases.

Packed in Cases—One dozen 1s. Bottles; One dozen 2s. Bottles. Pint Bottles 4s. 6d. each, for Hospitals and Dispensing Chemists. Testimonials may be had upon application.

22

Guaranteed to contain Arsenic.

Regd.

Dr. Mackenzie's Complexion Soap is the same soap prepared without Arsenic.

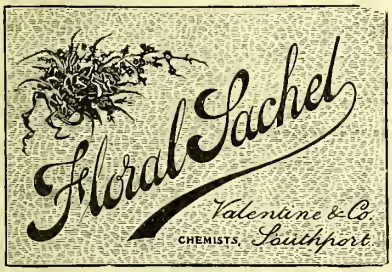
A Good Sachet always Sells.

PERFUME SACHETS

It is astounding the very large quantities of Sachets being sold at the present time, far larger than the ordinary Chemist would believe. It seems a pity to let all this trade drift to the Stores, Drapers, and Fancy Shops.

No. 1. 4¾ × 3¼. GOLD BLOCKED. White or Tinted Morocco Papers.

From Stock, 4/- per doz., 42/- per gross.

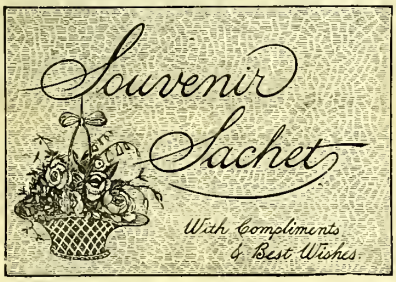


With name, 48/- per gross for gross lots.

This Sachet can be had with **Special Names, or Floral Decoration** in lieu of name.

No. 3. 5⅝ × 3¾. LITHO in SILVER. White or Tinted Morocco Papers.

Stock Inscription, 45/- per gross, any quantity.



Special Inscription, 48/- per gross for gross lots.

These can be stamped "Many Happy Returns of the Day," and make a Charming Birthday Souvenir.

No. 5. 4¾ × 3¼. GENUINE PHOTOGRAPH. Embossed White and Gold Envelopes.

Stock Views, 48/- per gross, any quantity.

Special Views, prices and terms as per arrangement.

Supplied from stock, with assorted views in great variety. Special views could only be supplied by arrangement, as there is frequently great difficulty with negatives.

NAMES OF ODOURS.

Heliotrope
White Rose
Opoponax
Hawthorn
Lilac
Stephanotis
Jockey Club
Lily of the Valley
May Blossom
White Iris
Apple Blossom
Ylang Ylang

No. 2 design is only supplied to one customer in any one town.

ARTISTIC IN DESIGN. FRAGRANT IN SCENT. LASTING IN STRENGTH.

A Trial Order is sure to lead to repeat.

No. 2. 4¾ × 3¼. FLORAL DESIGN. Worked up in Gold and Colours.

From Stock, 3/9 per doz., 39/- per gross.

With Name, 39/- per gross net for 500 only.

Supplied from stock, printed Delvoix et Cie.; or for quantities of not less than 500 Sachets, with **Special Name and Address.**

No. 4. 5⅝ × 3¾. ÆSTHETIC DESIGN. Very Artistic, in Gold and Tint, with genuine Platinotypes.

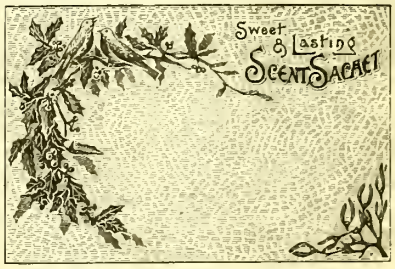
From Stock, 6/6 per doz.

Special Printing, 72/- per gross for gross lots.

Supplied as above, no wording on, but assorted Platinotypes. Can be had with special printing on, not less than gross lots. Extra quality.

No. 6. ADVERTISING SACHET. Printed in Gold or Colours, Tinted Papers.

Price according to quantity wanted.



Sketches of Special Designs submitted on request.

These can be supplied any design or matter, and make an excellent medium for bringing specialities before the public. Can be had with Calendar at back if required.

WRITE FOR SAMPLES.

A SAMPLE SET OF 6 SACHETS SENT POST FREE FOR 2/3.

The above will be found the best and most artistic selection of Sachets in the trade. They are prepared under the personal supervision of an experienced Chemist and Perfumer, who has made this branch of the Art of Perfumery a Specialite.

AYRTON & SAUNDERS,

MANUFACTURING PERFUMERS,

149 DUKE STREET, LIVERPOOL.

Diploma of Honour, Madrid, 1890.

Capetown, 1878.

London, 1878.

Amsterdam, 1883.

International Health, 1884.

Brussels, 1889.

Madrid, 1890.

Tunis, 1891.

Diploma of Honour, Brussels, 1890.

JAMES SINCLAIR & SON,

SOUTHWARK, LONDON.

A DELIGHTFULLY PERFUMED SOAP

Made of selected materials. Superfatted and non-alkaline. In high repute among the Nobility and Aristocracy in England and the Colonies.

In Boxes of Three Tablets, per doz. boxes 12/-.

VELOURS or VELVET SOAP.

Balsamic and Musk Odour; elegantly wrapped; Purest Soap; in Boxes of three Tablets, per doz. boxes 9/-.

TREBLE-MILLED Toilet Soap.

In Varieties—Windsor, Rose, Almond, Glycerine and Cucumber, Elder-flower, Violet, Heliotrope, Cold Cream, Opoponax, Honey, Cold Cream and Honey, in boxes of three tablets, per doz. 6/-.
In boxes of 12 tablets . . . . . 22/-.

MEDICATED SOAPS.

Coal Tar, Carbolic, Camphor, Camphor and Carbolic, Juniper Tar and Borax Soap, in boxes of 3 tablets, per doz. boxes, 6/.

Special Brands from Special Formulas prepared with greatest care.

TOILET SOAPS IN VARIOUS SHAPED TABLETS.

FLORAL, HONEY, ROSE, WINDSOR, ALMOND, GLYCERINE, LAVENDER, &c., &c.

Tablets, 4, 5, or 6 to the pound, in 7-lb. and 14-lb. boxes, per cwt. 44/-.
ditto, cheaper, less perfume - - „ „ 38/-.

TRANSPARENT SOAPS.

Orange, Lemon, or Cedar, oval tablets, per gross 10/-
do. do., smaller size, do. 8/-

SPECIAL SOAPS FOR EXPORT TRADE FROM 28/-

PETROLEUM JELLY, pure white, in tins about 8 lbs., 56/- per cwt; 28 lbs., 50/- per cwt.; in barrels about 4 cwt., 46/- per cwt. Ditto, Yellow, tins 30/- per cwt.; 28 lbs., 28/- per cwt.; in barrels about 4 cwt., 24/- per cwt.

We will spare no effort to secure Business. A Trial Solicited.

CORBYN'S NATURAL PERFUMES.

QUADRUPLE and TRIPLE EXTRACTS.

Toilet Waters. Sachet Powder.

CORBYN, STACEY & CO.

Pharmaceutical Laboratory and Drug Warehouses { 300 HIGH HOLBORN. 61 and 62 EAGLE STREET.
Perfume Laboratory and Warehouse - - 7 FISHER STREET.
Analytical Laboratory - - - - - - - 8 FISHER STREET.

All Letters should be addressed to the HEAD OFFICE—

22 GREAT ST. HELEN'S, LONDON, E.C.

Telegraphic Address: "COLOCYNTH LONDON."

TELEPHONE No. 4033.

A LAMENT AND A REMEDY

Oh! had I but Aladdin's lamp,
Though only for a day,
I'd try to find some link to bind
The CONES which break away.

Oh! sigh not for Aladdin's lamp,
Nor wish its use one day;
The CONES with feather tip secured
No longer break away.

The PUBLIC DEMAND THESE MENTHOLS, because they

WON'T BREAK OFF.

All Shapes, Acorn, Bottle, Flat.

Two Prices, 3/6 and 6/6 dozen.

ORDER OF

Mr. QUELCH, LUDGATE SQUARE, LONDON,

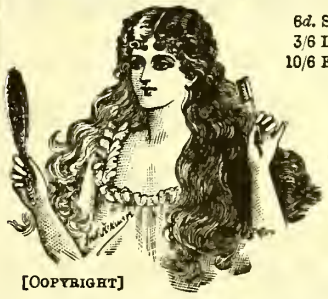
Of T. D. VINT, Patentee, HASTINGS,

Or of any Sundry House.

Fuller particulars on p. 621 of C. & D. Diary. 1897.

SHADEINE.

For Colouring the Hair. Sold in 6 tints, one liquid



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6d. Sample size ..	..	4/- per doz.
3/6 Large „ ..	..	28/- „
10/6 Extra „ ..	..	84/- „

SAMPLES Supplied to the Trade on pretty hanging Showcards at 4/- per doz.

☞ This Popular Article is Largely Advertised, and kept at all Wholesale Houses.

Agents Wanted.

ALEXANDRE, 30 WESTBOURNE GROVE, LONDON.

The Best Hair Remover.

DEPILENE

Reaches the Root.

Removes superfluous hair without injury to the skin. Speedy and sure. No mixing. Dispenses with Electrolysis. To be obtained, elegantly prepared, and packed free from observation, with directions, post free 4/3 per bottle, of

THE DEPILENE CO.
QUEEN'S FERRY, FLINTSHIRE,
Or of MARSHALL & CO.
30 Newgate St, London, E.C.

Special Terms to Chemists.

BRECKNELL'S SKIN SOAP.

PRIZE MEDAL.

Recommended by Eminent Medical Men.

Unscented, yet Sweet as a Rose.

Although low in price, it ranks with high-class soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

☞ The longer it is kept the more it improves and increases in value.

LIBERAL TERMS TO THE TRADE.

BRECKNELL, TURNER & SONS, LIMITED,
To Her Majesty, &c., &c.
31 HAYMARKET, LONDON.
ESTABLISHED 1862.

The "Winged Lion" Brand

Seeds in Packets.

ALL CHEMISTS

ARE RESPECTFULLY INVITED TO PERUSE OUR

Inset in the Winter Issue of the "Chemist and Druggist."

THE SEED SEASON HAS COMMENCED,

AND TO REAP THE FULL ADVANTAGE OF THIS BUSINESS

STOCKS SHOULD BE ORDERED AT ONCE.

We strongly advise all Chemists, in Country and Suburban Districts especially, to give the Seed Trade a trial. Hundreds have done so, and have built up a lasting and profitable business. The initial outlay is small, the Packets make a good show, and there is a large profit. See our Inset for our Opening Selection.

£5 5s. worth Retail for £2 10s. carriage paid.

LISTS AND ORDER SHEETS ON APPLICATION.

POTTER & CLARKE, 60, 62, & 64 Artillery Lane, London, E.

And at 54 GREAT ANCOATS STREET, MANCHESTER.

Telephone Number, 1852. Telegraphic Address—CHEMICUS LONDON.

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Ellis & Son	*Text* 308
English Diastasic Malt Extract Co.	42
Epps, J., & Co. (Lim.)	47
Evans and Sons (Lim.)	*Cover*
Evans, Lescher & Webb	46, *Cover*
Evans, Sons & Co.	*Cover*
Exchange Column	*Col. Supp.*
Eyre & Spottiswoode	11
Fentiman & Co.	55
Fentiman, A. G.	55
Ferguson & Osborne	*Col. Supp.*
Fink, F., & Co.	54
Fletcher, Fletcher & Co.	*Text* 308
Frame Food Co. (Lim.)	17
French Hygienic Society	16
Gardner, W., & Sons	8
Gibson, R., & Sons	13
Glover, C. H., & Co.	15
Goodall, Backhouse & Co.	37
Government Sanitary Co.	7
Graf, F.	54
Guest, T., & Co.	18
Haresceugh, B. B., & Co.	8
Harker, Stagg & Morgan	18
Harrison & Waide	12
Haywood, J. H.	52
Hebden, W. C.	6
Hertz & Collingwood	*Text* 308
Hicks, J. J.	10
Holloway, E. A.	15
Holloway, P.	52
Hooper & Co.	*Cover*
Horlick & Co.	*Text* 308
Hovenden, R., & Sons	20
Hubbuck & Sons (Lim.)	40
Hudson & Son	12
Hughes, E. G.	55
Ickringill Cloth Syndicate (Ld.)	52
Ingram & Royle (Lim.)	15
Isaacs, L., & Co.	48
Jewel Pen Co.	12
Jewsbury & Brown	4
Johnson & Hooper	56
Josephs, C., & Co.	55
Josephs Philip	*Col. Supp.*
Judd & Manners	*Col. Supp.*
Kay Bros. (Lim.)	6
Kempthorne, Prosser & Co.	45
Kilner Bros.	50
Knowles & Phillips	*Text* 308
Krewel & Co.	43
Krobne & Sesemann	52
Kydde & Co.	18
Lambert, A., & Co.	52
Lanoline	32
Law Guarantee	*Col. Supp.*
Leng & Co.	55
Lennon, G. B., & Co.	44
Leo & Co.	37
Leonhard, T.	19
Lewig, Mark	54
Lloyd, A. S.	21
Lofthouse & Saltmer	36
Loisette, A.	12
London Homœopathic Hospital	11
Lüneburger Wachsbleiche	19
Lynch & Co. (Lim.)	3
Macfarlan, J. F., & Co.	15
Mackenzie's Cure Depôt	46
Manchester College of Pharmacy	11
Matthews, D.	*Col. Supp.*
Maw, S., Son & Thompson	49
May & Baker (Lim.)	*Cover*
May, Roberts & Co.	*Cover*
Medical Hygienic Inventions Co.	4
Meinertzhagen, E.	54
Millar, A., & Co.	55
Mills, H.	55
Moss, J., & Co.	*Text* 303
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Ness & Co.	55
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Newbery & Sons	47
North of England School	11
Northern College of Pharmacy	11
Orchard, E.	54
Peake, Allen & Co.	44
Pears, A. & F. (Lim.)	35
Phillips, G., & Co.	20
Poppelreuter, W.	54
Potter & Clarke	26
Potter & Sacker	42
Read Holliday & Sons (Lim.)	6
Robare's Aureoline	20
Robbins, J., & Co.	6
Robinson & Sons (Lim.)	53
Sampson Low, Marston & Co.	11
Sanger & Sons	36
Sanitas, The, Co. (Lim.)	*Text* 308
Scott & Bowne	10
Scottish Acid and Alkali Co.	41
Scrubb & Co.	20
Sinclair, J., & Son	24
Singleton & Cole (Lim.)	18
Smith & Sons	44
Smith, T. & H., & Co.	36
Snowdon, Sons & Co.	22
Solport Bros.	48
Spratt's Patent (Lim.)	9
Squire & Sons	11
Steele, J. C., & Co.	8
Stevenson, H. E., & Co.	5
Stipendum Stopper Co. (Lim.)	47
Stokes, G. R., & Co. (Lim.)	8
Taylor & Colledge	44
Thiellay, E. H.	54
Thornton-Pickard Co.	54
Tomlinson, T., & Sons	*Col. Supp.*
Toogood, W.	53
Turner & Durant	*Col. Supp.*
Tuson's Disinfectants Co. (Lim.)	56
Tyrer, P.	17
Tyrer, T., & Co.	44
Vi-Cocoa (Lim.)	17
Victoria Rubber Co.	52
Vint, T. D.	25
Volcanic Aëration Co.	14
Waud, S.	43, 55
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Warrick Bros.	19
Watson & Wates	55
Werner, Pfleiderer & Perkins (Lim.)	8
White, G., & Sons	18
Willcox, W. H., & Co.	8
Wood, V.	48
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CLASSIFIED LIST OF ALL ADVERTISERS

Whose Announcements appear in "THE CHEMIST AND DRUGGIST." Those whose Names do not appear in the preceding Index are published in one of the other issues of this month.

ACIDS
Boulton, J., & Co., Lim.

ADVERTISING SPECIALITIES
Corsan, J. R. | Harris, J.

AERTD & MINRLS
Apollinaris Co.
Barnett & Foster
Bratby & Hinchliffe, Lim.
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Chemists' Aerated Waters Association, Lim.
Ellis & Son (Ruthin)
Hunyadi János
Idris & Co., Ld.
Ingram & Royle, Lim.
Kinmond & Co.
Macfarlan, J. F., & Co.
Mills & Co. (Bourne)
Rosbach Springs, Lim.
Sallyco Water Co.
Wiesbaden Gout Water

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(See SYPHONS and ESSENCES)
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Bratby & Hinchliffe, Lim.
Tyler, Hayward, & Co.
Volcanic Aeration Co.

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Australian Drug Co.
Beynon & Co. | Boissy
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Lennon, G. B., & Co. [(N.Z.)
Peake, Allen & Co.
Taylor & Colledge

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Howards & Sons (Cinchona)
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

AMMONIA
May & Baker, Lim.
White, A., & Sons
Woolley, Sons & Co.

ANALYSIS
Sutton, F., & Co.

APPARATUS
Bennett, Sons & Shears
Berend, O., & Co.
Woolley, J., Sons & Co.

ASTHMA CURE
Potter & Clarke

BAKING POWDER
Goodall, Backhouse & Co.

BALSAM OF ANISEED
Powell, T., Lim.

BATH & FLESH GLOVES
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

BATH SALTS
Sykes' Bath Salt
Tidman & Son, Lim. (Sea Salt)

BEESWAX
Bowdlear & Co.
Evans, Sons & Co.
Kemp & Son
Leonhard, T.
Lüneburger Wachsbleiche

BICARB. SODA
Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BIPALATINOIDS
Oppenheimer, Son & Co., Lim.

BISMUTH PREP.
Hearon, Squire & Francis
Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Symes & Co. | Tyrer, T., & Co.
White, Alfred, & Sons

BORAX
Howards & Sons

BOOKS
Eyre & Spottiswoode
Hudson & Son
King, J. K., & Son
Lewis, H. K. | Loisette, A.
Martindale's Extra Pharm.
Sampson Low, Marston & Co.,
Squire's "Companion" [Lim.
Whittaker & Co.

BRUSHES
Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons

BOTTLES
Ayrton & Saunders
Barnett & Foster
Barrett, R. H.
Bratby & Hinchliffe, Lim.
Breffits, Lim.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Isaacs & Co.
Johnsen & Jörgensen
Kilner Bros.
Lynch & Co., Lim. (Salts)
Maw, S., Son & Thompson
Poths, H., & Co.
Stipendum Stopper Co., Lim.
Toogood, W. | Youldon, E
Volcanic Aeration Co.
York Glass Co., Lim.

BOXES
Austin & Co. (Cardboard)
Ayrton & Saunders
Evans, Sons & Co.
Glover, C. H., & Co.
Kent, G. B., & Son
Kilner Bros.
Kinross & Black
Patent Stopper, Box, and Stamping Co., Lim. (Tin)
Robinson & Sons
Tinplate Decorating Co.

BUNSEN BURNRS
Berend & Co.

BUTTER COLR, &c.
Baker, J. W.
Boulton, J., & Co., Lim.
Hatrick & Co., Lim.
Müller & Co.
Tomlinson & Hayward

CACHETS
Christy, T., & Co.
Cooper & Co.
Sangers, J., & Sons

CACHOUS
Bleasdale & Co.
Blyton, Astley & Co.
Jackson, T.
Lloyd, T. H., & Co.
Raimes & Co. | Warrick Bros.

CAMPHOR
Howards & Sons
May & Baker, Lim.

CAPSULES
Davies, Gibbins & Co.
Droege, Wm., & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Warrick Bros.

CARBOLIC ACID
Stevenson, H. E., & Co.

CRBNIC ACID GAS
Carbonic Acid Gas Co.

CSCRA SAGRADA
Anderson & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferris & Co.
Harker, Stagg & Morgan
Moss, J., & Co.
Parke, Davis & Co.

CHEMICALS
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Brunner, Mond & Co., Lim.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Farbenfabriken (Bayer & Co.)
Goodall, Backhouse & Co.
Graf, F.
Howards & Sons (Pharm.)
Kirkpatrick, Barr & Guthrie
Lofthouse & Saltmer
Lyon, J. L., & Co.
Macfarlan, J. F., & Co.
May & Baker, Lim.
Moss & Co.
Oppenheimer, Son & Co.
Poppelreuter, W.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Sharland & Co.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
Washington Chemical Co.
White, A., & Sons
Zimmermann, A. & M.

CASTOR OIL
United British Castor Oil Co., Lim.

CERESINE WAX
Boehm, Fredk.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHECK TILLS
O'Brien, T.
Stokes, G. R., & Co., Lim.

CHEST PROTCTRS
Ayrton & Saunders
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Newbery, F., & Sons
Schutze & Co.
Solport Bros.
Wood, Vincent

CHLOR. OF LIME
Government Sanitary Co.
Hebden, W. C.
National Chemical Co.
Steel, J. C., & Co.

CHLORODYNE
Davenport (Browne's)

CHLOROFORM
Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

CINCHONA BARK
Graf, F.

COCA WINE
Burrough, J.
French Hygienic Society
Harker, Stagg & Morgan
Holloway, E. A.
Kemp & Son
Lorimer & Co.
Stephen Smith & Co. (Hall's)
White, S. B.
Wilcox & Co.

COCAINE-HYDRO.
Howards & Sons

COCOA & CHOCOLT
Cadbury Bros.
Caffyn's Malto-Carnis
Fry & Sons
Van Houten's
Vi-Cocoa (Dr. Tibbles)

COD-LIVER OIL
Allen & Hanburys
Burroughs, Wellcome & Co.
Cuthbert, R.
Davies, Gibbins & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Harker, Stagg & Morgan
Hill, A. S., & Son
Kemp & Son
Lofthouse & Saltmer
Lorimer & Co.
Möller, P. | Moss, J., & Co
Oppenheimer, Son & Co., Lim
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall, Bros. & Barclay
Stevenson, H. E., & Co.
Wright, Layman & Umney

COMBS
Hovenden & Sons

COMP. MEDICINS
Allen & Hanburys
Blyton, Astley & Co.
Burroughs, Wellcome & Co.
Davies, Gibbins & Co.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

CONCENT. LIQRS
Balss Bros., & Co.
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co.

CONFECTIONERY
Blyton, Astley & Co.
Gibson & Sons
Guest, T., & Co. | Hillaby, J.

CORKS
Ringrose & Cobb | Brooks, T.

CORN CURES
Beetham & Son
Gardner, C. | Potter & Clarke

COTTON WOOL
Robinson & Sons (Absorbent)

CRSHD LINSEED
Evans, Gadd & Co.
Mumford, G. S.

CYDER
Symons, J., & Co., Lim.

DENTIFRICES, &c.
Beecham, T.
Bronnley, H., & Co.
Hovenden & Sons
Jewsbury & Brown
Stevens, P. A.
Sutton, O., & Co. | Wilson, A.
Woods, W. (Areca Nut)
Wright, Chas., & Co., Lim.

DENTISTRY
Browning, A. J.
Fentiman, A. G.
Fentiman & Co.

"DIMATOS"
Southall Bros. & Barclay

DISINFECTANTS
Beedzler & Co. | Brooks, T.
Calvert, F. C., & Co.
Dussek Bros.
Government Sanitary Co.
Granville, A., & Co.
Hebden, W. C.
"Izal"
Jeyes' Sanitary Compounds Co.
Kay Bros., Lim.
Kühn, B. (Chinosol. Kresochine)
Mackey, Mackey & Co.
May & Baker, Lim.
Medico-Hygienic Inventions Co., Lim.
National Chemical Co.
Ness & Co.
"Nestor" Sanitary Fluid Co.
Read, Holiday & Co.
Sanitas Co., Lim.
Steel, J. C., & Co.
Tuson's Disinfectants Co., Ld.
Tyrer, T., & Co.

DOG MEDICINES
Lloyd, T. Howard
Spratt's Patent, Lim.

DRUGGISTS' SUN.
Ayrton & Saunders
Barclay & Sons, Lim.
Bleasdale & Co., Lim.
Dallley & Wilkinson
Cartwright, A. S.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Hovenden & Sons
Kahler, G., & Co.
Kay Bros., Lim.
Marshalls, Lim.
Maw, S., Son & Thompson
May, Roberts & Co.
Newbery, F., & Sons
Potter & Sacker
Quelch, H. C.
Sanger & Sons | Schutze & Co.
Sharland & Co.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent

DRUGS
Allen, S., & Sons (Grinders)
Beynon & Co.
Bleasdale & Co., Lim.
Davies, Gibbins & Co.
Dieterich, Eugen
Kahler, G., & Co.
Lofthouse & Saltmer
Meinertzhagen, E.
Oppenheimer, Son & Co.
Phillips & Co. [(Grinders)
Poppelreuter, W.
Sharland & Co.
Steveoson, H. E., & Co.

EAU DE COLOGNE
Farina, J. M.
Muhlens, F.
Van Oppen & Co.

ECZEMA
Cullwick's Specialities

EMBROCATIONS
Bow's Liniment
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Tuson's Disinfectants Co., Ld.

ENGRAVERS
Corsan, J. R.

ENEMAS
British American Ball Nozzle
Evans, Sons & Co. [Co.
Lynch & Co., Lim.
Sanger & Son | Wood, Vincent

ESSENCES
Boulton, J., & Co., Lim.
Bovril, Lim. (Beef)
Bratby & Hinchliffe, Lim.
Bush, W. J., & Co.
Delbanco & Co.
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim.
Newball & Mason
Stevenson & Howell
Todd, A. M.
Tyrer, P. (Anchovies)
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Blackwell, Hayes & Spilsbury
Boehm, Fredk.
Bush, W. J., & Co.
Delbanco & Co.
Evans, Sons & Co.
Feustell, Friedrich
Jakson, J., & Co.
Jeancard, Gazan & Doumin
Kahler, G., & Co.
Lewig, Mark, Lim.
Lofthouse & Saltmer
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Sanitas Co., Lim.
Stevenson, H. E., & Co.
Stevenson & Howell
Todd, A. M.
Treatt, R. C. | Warrick Bros.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Sons
Woolley, Sons & Co.
Wright, Layman & Umney

EXTRCTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim.
Burgoyne, Burbidges & Co
Davies, Gibbins & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Moss & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Tasmanian Eucalyptus Oil Co.

EXTRACT MEAT
Armour & Co. | Brand & Co.
Liebig Co.
Liquor Carnis Co.

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

FEEDG BOTTLES
Burroughs, Wellcome & Co (Thermo Safe)
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Gilbertson, H., & Sons
Hearn, Wright & Co.
Hovenden & Sons
Kilner Bros.
Lynch & Co., Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Shirley Bros. | Youldon, E.

FILTERS
Mawson Filter Co.

FLY CATCHERS
Bleasdale, Lim.
Buchan, D. D.
Ford, Shapland & Co.
Marshalls, Lim.
Maw, S., Son & Thompson
Strong, Christy
Tunbridge & Wright

FOOD (Infants' & Invalids')
Allen & Hanburys
Benger's Food
Bragg, J. L.
Brand & Co.
Christy, T., & Co.
Frame Food Co., Lim.
Goodall, Backhouse & Co.
Hawksley, T. (Steriliser)
Horlick & Co.
Kydde & Co.
Liquor Carnis Co.
Liebig Co. | Lorimer & Co.
Mellin's Food | Nestlé, H.
Savory & Moore
Tyrer, P.
Vi-Cocoa (Dr. Tibbles)

FUNNELS
Von Poncet Glass Works

GELATINES
Boehm, F.

GINGER ALE
Bratby & Hinchliffe, Lim.
Chemists' Aërated & Mineral Water Association, Lim.
Ellis & Son
Mills, R. M., & Co.

GLYCERINE
Blyton, Astley & Co. (Pastilles)
Boehm, F. | Fink & Co.
Price's Candle Co., Lim.

GRANULAR PREP.
Bishop, A., & Sons
Blyton, Astley & Co.
Boulton, J., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard & Co.
Lofthouse & Saltmer
Tyrer, T., & Co.
Wright, Layman & Umney

GUM
Fink & Co. (Arabic, &c.)
Graf, F.

HAIR PREP.
Alexandre's Shadeine
Brooks, Tom
Chesebrough Co.
Depilene Co.
Edwards & Co.
Koko Maricopas Co.
Thiellay, E. H.
Truefitt, H. P., Lim.

HERB BEER EXTS.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Keene & Ashwell
Leath & Ross
Watson & Wates

HONEY
White, G., & Sons

HYPOPHOSPHTES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co.

INHALERS
Arema Manufacturing Co.
Burroughs, Wellcome & Co.
Krohne & Sesemann
Lynch & Co., Lim.
Martindale, W.
Sanitas Co., Lim.

INSECTICIDES
Barclay & Sons, Lim.
Bleasdale, Lim.
Jackson, T.
Rudkin's Moth Bricks
Sanitas Co., Lim.
Tunbridge & Wright

JELLOIDS
Warrick Bros.

KETCHUP
Tyrer, P.

LARD
Ewen, J., & Sons

LAVENDR WATR
Jakson, J., & Co.

LEECHES
Fitch & Nottingham

LINT
Burgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons

LIQUORS
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Oppenheimer, Son & Co., Lim.
Stevenson, H. E., & Co.

LIQUORICE
Evans, Sons & Co. (Savarini)
Hillaby, J.
Lorimer & Co.
"Solazzi"

LOZENGES
Allen & Hanburys
Davies, Gibbins & Co.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Hill & Son | Lorimer & Co.
Raimes & Co.
"Solazzi" | Warrick Bros.

LUNGPRESERVRS
Zimmer, G.

MACHINERY
Bennett, Sons & Shears, Lim.
Gardner, W., & Sons
Melin, C. | Pindar, J. W.
Volcanic Aeration Co.
Werner, Pfleiderer & Perkins, Lim.

MAGNESIA
Bleasdale, W., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Henry, T. & W. (Calcined)
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRCT, &c
Allen & Hanburys
Anderson & Co.
Blackwell, Hayes & Spilsbury
Burroughs, Wellcome & Co. (Kepler's)
Davies, Gibbins & Co.
Evans, Gadd & Co.
English Diastasic Malt Extract Co., Lim.
Hearon, Squire & Francis
Lorimer & Co. | Moss, J., & Co.
Oppenhelmer, Son & Co., Lim
Parke, Davis & Co.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.
Standard Malt Ext. Co., Lim.

MANICURE
Hovenden & Sons

MARKING INKS
Bond (Daughter of the late John) (Ink and Pencils)

MEDICINE CHSTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt (Veterinary)
Day & Sons (Veterinary)

MENTHOL
Ayrton & Saunders
Christy, T., & Co.
Evans, Lescher & Webb
Maw, S., Son & Thompson
Shirley Bros. | Tyrer, P.
Vint, T. D.

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.

METH. SPIRTS, &c.
Boord & Son | Burrough, J.
Jones & Co. | Phillips, G., & Co.
Smith, S., & Co.
Warren, A. & J.

METHYLENE
Robbins, J., & Co.

MICROSCOPES
Darton, F., & Co.
Hicks, J. J.

MILK
Hawkesley, T. (Sterilizer
Horlick & Co.
Nestlé, H. (Condensed)

MORPHIA
Beynon & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

OILS, &c.
Anglo American Drug Co.
Calvert Bros. & Co.
Hooper, B., & Co. (Sandal Wood)

OINTMENT BASES, &c.
Burroughs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaseline)
Davies, Gibbins & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.

OPTICIANS
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co.

OXIDE OF ZINC
Hubbuck, T., & Son, Lim.
Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim.

PASTILLES
Jackson, T.

PAT. MEDCNS, &c.
Anglo-American Drug Co., Ld.
Antikamnia Chemical Co.
Atkins' Lung Healer
Atkinson & Barker (Infant Preserv.)
Barclay & Sons, Lim.
Beecham, T. (Pills)
Bow's, Dr., Liniment
Brooks, Tom
Clarke's Blood Mixture
"Dalsy" Headache Powders
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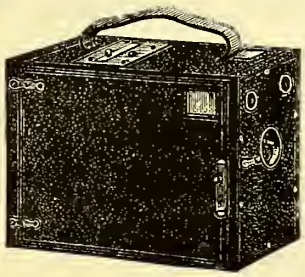

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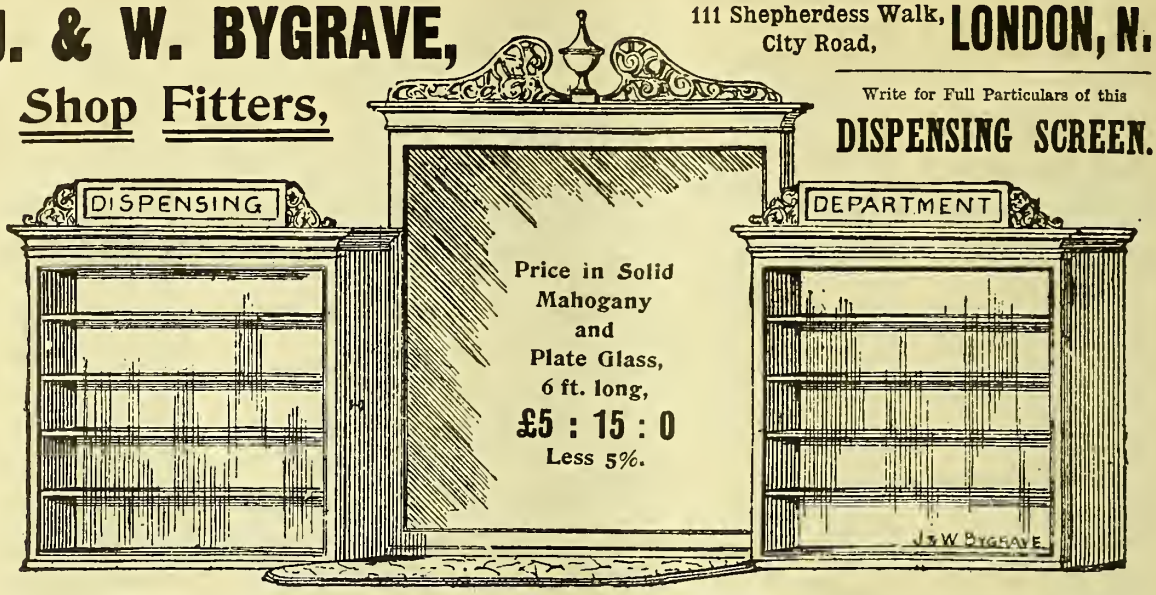

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859.

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Pharmaceutical Society of Tasmania.
Pharmaceutical Society of Western Australia.
Pharmaceutical Chemists' and Apothecaries' Assistants' Association of Ireland.

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No. 2 (1897).

"THE most interesting dispensing difficulty you have recently met with, and how you solved it?"

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Postcards (only) to be sent in during this week and next.

One guinea (at least) to be awarded, at the Editor's discretion.

Summary.

TOOTHACHE is this week's winter speciality (p. 309).

A CHEMIST has been fined at Blackpool under the Dentists Act (p. 314).

PARTICULARS of the revision of Danish and U.S.A. Customs are given on p. 300.

THE Belgian and Russian Pharmacopœias are undergoing revision (pp. 299–300).

MEETINGS in support of the P.A.T.A. have been held at Leicester and Grimsby (p. 317).

FOR giving cocaine instead of antipyrin a Victorian chemist has had to pay 75*l.* (p. 301).

MR CLARIDGE DRUCE draws a pretty distinction between the chemist and the licensed victualler (p. 296).

SEVERAL letters deal with the question of depots for pharmaceutical specialities from both points of view (p. 325).

FURTHER proceedings in the charge against Joseph James, a chemist and druggist, for receiving syphons are reported on p. 296.

WE print on page 319 some of the questions suggested for discussion at the International Pharmaceutical Congress in Brussels.

A MAN has been sent to prison for two months for selling a preparation which he falsely pretended was Hood's sarsaparilla (p. 314).

MR. P. M. SHORT thinks that the injurious principle of tea is a bitter alkaloid which is only extracted after long infusion (p. 303).

A MELBOURNE paper is trying to show that for every penny of duty which the Government collects consumers pay about twopence (p. 301).

NO special feature is reported from the drug-markets this week. A fairly active business is being done. Spices continue to show advances (p. 320).

OUR Town Traveller describes some novelties for auto-disinfection, and for the application of medicaments, a new hand-camera, and a cheap telephone (p. 305).

A "PHILANTHROPIST" who visited the sick in a medical capacity has been warned by a coroner who held an inquiry regarding the death of one of his patients (p. 296).

A CHEMIST at Leicester told the P.A.T.A. meeting in that town that he is now getting an annual revenue of 13*l.* 13*s.* for the exhibition of thirteen showcards in his shop (p. 317).

IN the course of a paper, read at Edinburgh, Mr. George Sinclair stated that ten years ago 5 per cent. of prescriptions were for proprietary articles; to-day the percentage is 20 (p. 302).

TWO defendants fined last week under the Sale of Food and Drugs Act, and the other under the Medicine Stamp Act, give their reasons for thinking they have been unjustly treated (p. 325).

WE quote comments from *Truth* on the dispute between the Irish and British Pharmaceutical Societies founded on *Truth's* statement of what was reported to its representative at Bloomsbury Square (p. 311).

DR. BOURGOIN, a leading French pharmacist, formerly professor at the Paris School of Pharmacy, and latterly a member of the French Parliament, died last week, and was buried with full academic and civic honours (p. 307).

OUR Gallery correspondent at Westminster sends some interesting bits of information regarding the working of patents in this country, transmission of rubber samples, and the Shop-hours, Midwives, and Company Bills (p. 318).

THE proprietress of Hunyadi Janos Water has taken proceedings against the Apollinaris Water Company for using the title Uj Hunyadi, and although the defendants have withdrawn the title, the hearing of the suit is proceeding at the High Court, several important witnesses giving evidence (p. 312).

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

The Charge of Buying Stolen Syphons.

Mr. Joseph James, chemist and druggist, of Barnsbury Street, Islington, surrendered to his bail at North London Police Court on Saturday to answer the charge of receiving certain syphons, unlawfully obtained, well knowing them to have been stolen. The case again excited a good deal of interest, amongst those in court being Mr. Walter Davenport, Secretary of the London Bottle Exchange, Mr Adpar Jones (Idris & Co.), and others. Mr. C. V. Young again prosecuted, and Mr. D. A. Romain defended. The two prisoners De Plank, dealers, of Hoxton, were to have been put into the dock with Mr. James, but it was reported that the one (Albert) who had been let out on his own recognisances had not surrendered. Consequently, the Magistrate (Mr. d'Eyncourt) was asked to proceed with the charge against Mr. James only, and then grant a further adjournment. Frederick Ward, a detective of the N division, repeated the evidence of the arrest of Mr. James, which was to the effect that he told him who he was and read the warrant which had been granted on the information of the prisoner Albert de Plank. Mr. James answered, "I suppose I can buy syphons if I please?" Mr. Romain objected to De Plank's statement being put in by the police, because it could not be looked upon as unprejudiced. De Plank was a prisoner when he made the statement, and now he did not surrender to his bail. Mr. d'Eyncourt overruled the objection with the remark that it was necessary to receive this statement for what it was worth for the sake of proceeding with this case. Detective Ward (continuing) said he told Mr. James he would have to consider himself in custody for feloniously receiving sixteen syphons, the property of Mr. Wells Wood, chemist, of Albion Road, Stoke Newington, and others. When they got to the Stoke Newington Police Station, Inspector Osgood read the statement which De Plank had made and signed, which was to the effect that on January 27 last he took six syphons to Mr. James, and next day took six more. Mr. James asked, "How much do you want for them?" and he (De Plank) replied, "Ninepence each." After paying for them Mr. James said, "Don't bring any more just yet, as I am full up." De Plank added, "Some of these we got from Albion Road, and were the property of Mr. Wells Wood. Sometimes he paid me 9*d.* and sometimes 1*s.* each for them." Whilst this was being read over Mr. James interrupted the officer, and pointing to De Plank, said, "That man said he got them on the market." Mr. James was then charged with feloniously receiving, and made no reply. Detective Ward added that he went to Mr. James's premises and found a lot of syphons, some of which had on them labels "This is the property of Joseph James." There were other syphons with labels partially scraped off so that nobody could tell to whom they belonged. (Two of these syphons were now produced—a blue and a white one.) Mr. Young thought he could not go further with the case then, as he proposed to make Albert de Plank his witness. But he asked for a remand, and that Mr. James be called upon to find sureties, because there had been hundreds of syphons missed in all parts of London. And the fact that Mr. James had returned to Idris & Co. ninety more syphons in a year than he had taken out was a significant circumstance, especially when it was considered that he gave 9*d.* or 1*s.* each for them and was credited with 2*s.* each for all he returned to Idris & Co. Mr. Romain said he had a complete answer to all this, and he with confidence asked the Magistrate to discharge his client. Mr. James was a registered chemist, and a thoroughly respectable man, who had been in business in one shop for twenty years, and was much respected in his neighbourhood. Mr. James had been a customer of Idris & Co. for years, and was quite aware that he had returned more syphons than had been issued to him. But this was easily accounted for. Mr. James had bought chemists' businesses and all the stock-in-trade, amongst which very frequently was an accumulation of empty syphons. He purchased these businesses for cash, and of course returned to Idris & Co. the syphons which belonged to them, and was credited with the ordinary value. Messrs. Idris would admit this to the Magistrate, and would say, moreover, that they took no part in this prosecution. Therefore, he asked, would the Magistrate take the statement of two men who had admitted fraud before that of a respectable tradesman like Mr. James? Mr. Young: Who admitted buying syphons from them. Mr. Romain submitted that there was not a scrap of corroboration of the statement of De Plank, and certainly nothing to warrant the further detention of Mr. James. Mr. d'Eyncourt: You ask me to discharge your client? Mr. Romain: I do, sir, with considerable confidence, as he is here upon what I say is manufactured evidence—a statement by a man after being charged with fraud, and who does not now surrender to his bail. Mr. d'Eyncourt said he certainly should not discharge Mr. James at this juncture: but he would remand him, and admit him to bail, two in 25*l.* each, until Friday.

A "Philanthropist" Cautioned.

At an inquest held at Stroud, on February 11, respecting the death of Mary Smith, aged 63, it appeared that the deceased had suffered with her heart. Thos. Albert Critchley, who described himself as a "philanthropist," gave evidence. He was told by the Coroner that he was not bound to answer any question that might incriminate himself or bring proceedings upon himself. He stated that he had attended both deceased and her husband. He thought deceased was suffering from bronchitis. On the Tuesday he was sent for, and deceased complained of pains on her right side and said she was "all of a shiver." She said she did not wish to send for a doctor, but he told her she ought to. She asked him to send her some medicine, and he did. It was a preparation of horehound and tansy, which he had found useful on many occasions. He also supplied her with a box of ointment composed of linseed oil, resin, wax, and verdigris. The Foreman: You say you are a philanthropist. Do you charge for your medicine? Witness: I make a small charge. Continuing, the witness said he had supplied her with similar medicine before, and many others—600 persons since he had been at Stroud and 4,000 others. He had no qualification, and was not registered; he did not profess to be a doctor, and was aware that he had no power to recover fees. In reply to Dr. Crosby, he said deceased told him she was suffering from bronchitis, and that was the ground of his opinion. Dr. Crosby, in reply to the Coroner, said the medicine and ointment in question were harmless, but the question was whether the treatment was perfectly harmless. The jury returned a verdict of death from natural causes, and the Coroner remarked that it was very indiscreet of anyone in the position of Mr. Critchley to issue circulars which might mislead the public, and he hoped Mr. Critchley had had sufficient warning to take great care that it was not repeated. The Coroner also commented on a reference in Mr. Critchley's circular as to diseases of women. He strongly objected to that, for which he had very strong reasons, because he knew what suspicion that was at once open to. He simply used that opportunity of warning Mr. Critchley.

Chemists and Licensed Victuallers.

Mr. G. C. Druce, pharmaceutical chemist, and Sheriff of Oxford, was present last Friday at the annual meeting of the Oxford Licensed Victuallers' Association, and proposed the toast of "The Licensed Victuallers' National Defence League." In doing so he said he was unaware of any trade which was more harassed by vexatious laws than the trade which he followed, which was not theirs, which was not spelt with a capital T, nor one whose members or organisation could build up large majorities or help them to dwindle. The licensed victuallers, he said, had one advantage over any other trade that he was acquainted with—while in other businesses and professions the members might have to pass an examination, their's was the only one in which every individual must possess a good character. It must be a little vexing that they were liable to have it traduced by information which might not be reliable.

What is Kola?

Charles Wheatley, living at 41 Yelverton Road, Battersea, was charged at the South-Western Police Court with stealing a bottle of kola from the shop of Marian Richards, of 168 York Road. Mr. Plowden: What is kola—poison, drink, or medicine? (Laughter.) Prosecutor: It is a beverage, sir. Mr. Plowden: Ah! a beverage. (Laughter.) The mother gave the boy a good character, and said that only the day before he was nursing the baby. Mr. Plowden: Ah! he must be a good boy. (Laughter.) The boy was discharged.

Brave Chemical-workers.

At Queen's Ferry, last week, Thomas Massey, Peter Hughes, and George Nickols were presented with certificates and medals of the Royal Humane Society for an act of conspicuous bravery in December last. Two men were repairing an empty pitch-still at Joseph Turner & Co.'s chemical-works, Queen's Ferry, when one of them fell in. Hughes went into the still to fetch the man out, but was overcome by poisonous gas. Nickols went in after Hughes, but a like fate befel him; and finally Massey, after taking the precaution of attaching a rope to his body and covering his mouth and nostrils, entered the still, and with great difficulty saved his three unconscious fellow-workers. Nickols and Hughes soon revived, but the man who had fallen into the still first was unconscious for over twenty-four hours.

An Instructive Experience.

The students of the Imperial College of Chemistry and Pharmacy, Ludgate Circus, in company with a number of ladies, were, on Saturday, February 13, conducted by Mr. Thomas Beck, the Superintendent, through the London Dock warehouses. The ivory-warehouse was first visited. The present stock was stated to be worth about a quarter of a million sterling, each elephant tusk averaging about 90*l.* On the "spice-floor" Mr. Frederick Davis explained briefly the general characters of the cinnamon, cassia, cinchona, cloves, allspice, mace, nutmegs, and other drugs in the warehouse. Messrs. Atkinson's and Piesse & Lubin's perfumery-warehouses were also visited, and in them was shown the method of extracting the essence from the "pommades." The visit finished up at the wine-vaults, where, by special favour, opportunities for tasting were afforded. Some "Madeira" was sipped valued at 150*l.* the pipe.

Carbolic-acid Poisonings.

Since our last report we have noted the deaths from carbolic acid of the following:—

Mrs. Pugmire (74), widow, Edenhall, near Penrith. She appeared to have taken carbolic acid in mistake for whisky.

Emily Jane Jones, a married woman, Ely, who had been worried lately, but apparently without any cause.

Louisa Eleanor Arnold (23), a domestic servant in employment at Ealing, who had become strange and depressed in her manner of late.

John Pearson (52), an army pensioner and a Victoria Cross man, employed at Hull on a fishing smack, committed suicide with carbolic acid on February 12.

Elizabeth Hough (47), widow, Ipswich, who had more than once threatened to commit suicide. She bought the poison from Mr. Jackson, chemist, Fore Street, telling him it was "for a drain." The Coroner said this was the second death from carbolic acid within three months. He regretted it did not come under the Pharmacy Act.

All these have occurred this month.

Chemists at Football.

Pharmaceutical Football Club *v.* Barronetta.—This match, played on Saturday last at Wormholt Farm, resulted in a draw—4 all.

Risks of the Chemical-trade.

An inquest was opened at Middlewich on February 11 on the death of Richard Griffiths (25), who was killed at the Cheshire Alkali-works by the bursting of a huge vat of carbonic acid. The Coroner adjourned the inquiry for the Government inspector to be present. He said there seemed to be some mystery surrounding the bursting of the vat. The solicitor representing the company said every facility would be given for the inquiry to be properly conducted.

Aston's "Lady-doctor."

The charge against Mary Ann Clifford, described as a hawker, of Bagot Street, Birmingham, of obtaining money by false pretences was again heard at Aston Police Court on Monday. In June last the prisoner was alleged to have represented to a married woman that she had been sent by her mother with a view to selling her a bottle of "medicine" which she said would bring about a certain result. Prisoner added that she had the medicine "from 3*l.* 3*s.*," but eventually let the woman have a bottle for 15*s.*, and received 2*s.* as an instalment. Prisoner afterwards, it is asserted by the prosecution, induced another woman to buy some "medicine" and a box of "female-pills" for 3*s.* 6*d.* on the representation that they would be efficacious in bringing about a certain result. The "medicines" and "pills" were subsequently analysed by Dr. A. Bostock Hill, and in neither was found any trace of noxious drugs or substances. The liquid in both bottles was harmless, being water and colouring-matter, while the pills consisted of a vegetable bitter and flour, and would not effect the purpose stated. Prisoner was committed for trial to the Sessions, bail being allowed, herself in 100*l.*, and two sureties of a like amount.

Fire at an Exeter Chemist's.

On Thursday evening, February 11, a fire occurred at the pharmaceutical establishment of Mr. W. F. Pearce, who recently took over the business of Mr. Hoblyn, of South Street, Exeter. Some camphorated oil on a gas-stove became overheated and caught fire. The flames spread rapidly, but were quickly extinguished with mats. The damage is estimated at about 15*l.*

An Appeal to Loyalty.

An exhibition of trade products is being held at Newcastle-on-Tyne. One of the exhibitors shows a liver-salt which, "as a cooling morning tonic is unrivalled." He lavishly offers to give 100*l.* to the Queen's Commemoration New Infirmary (Newcastle) Fund if 300 gross of fourpenny tins are sold at their stand (No. 60, near the orchestra), and if the whole quantity is not sold a sum *pro rata* to the sales will be paid.

Tragic Effect of an Examination.

Philip Henry Armstrong Mason, the son of a chemist at Putney, was found shot in a railway carriage at Charing Cross last Saturday evening. He was taken to Charing Cross Hospital, where he died a few hours afterwards. A fellow-clerk of Mason's in the Scottish Office, Whitehall, stated that on the previous day the deceased had learned the result of a Civil Service examination, at which he had been unsuccessful. The age limit would have compelled him to retire from the office in August, and as he had not passed the further examination he would have had to leave the service. In his first examination he came out at the head of 500 competitors. Miss Helen Hart stated that Mason had told her that he had had a dream on three consecutive nights that he would die in February. The Coroner's jury eventually returned a verdict of suicide during temporary insanity.

The Famine in India.

The following are among the donors to this fund during the week:—

	£	s.	d.
F. W. Bowyer & Bartlett	35	0	0
Horner & Sons	25	0	0
Brand & Co.	21	0	0
" " employés	1	3	1
The Sheriff of Oxford (G. C. Druce, Esq.)	10	10	0
Dussek Brothers & Co.	5	5	0
J. Richardson & Co. (Limited), Leicester	5	5	0
" " " " employés ..	8	8	0
Albert Searl, F.C.S.	1	1	0

The Proposed National Chamber of Trade.

The Conference of Trades Associations' Representatives, alluded to by us last week, having the object of forming a National Chamber of Trade, is to be held at the Mosley Hotel, Manchester, on February 25, at 2 P.M. The idea is

to induce traders to combine or to co-operate with trade associations for the purpose of securing a more powerful method of defending and promoting the legislative and general interests of traders, and to encourage the formation of trade associations throughout the kingdom. Representatives who have not intimated their intention to be present at the Conference are requested to do so not later than February 23 to Mr. S. T. Nicholson, 1 Posterngate, Hull, the secretary, *pro tem.*

Vitriol in Feeding-bottles.

A verdict of wilful murder has been returned by a coroner's jury against Henry Jas. Worth and Emily Potter, the father and mother of male twins, at Failsworth, who had been found dead from some irritant poison. The stomachs and intestines had been analysed by Mr. Estcourt, the Manchester city analyst, who stated that with the exception of one feeding-bottle, which contained vitriol, he found no trace of any corrosive or irritant poison. Vomiting would account for the absence of poison in the bodies. If vitriol had been mixed with the milk he should have expected to find it. There was no vitriol in the feeding-bottles containing milk. He found no milk in the stomachs. Dr. Heyworth was of opinion that death was the result of poison. The prisoner Worth is a mineral-water manufacturer, and in his employ was a man named Thomas Chesters, who said that on the morning the children were found dead he saw Potter washing a child's feeding-bottle. The prisoners were brought before the County Justices on Tuesday (16th), and on Wednesday the Magistrates sent them for trial.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

A Constable Killed by Carbolic Acid.

Constable James Crookshanks died at Belfast on February 10 from carbolic-acid poisoning. He took a draught of carbolic acid, or poisonous dog-wash, in mistake for porter.

The Cork Chemist's Resignation.

Dr. Allsom, L.P.S.I., pharmaceutical chemist to the Cork Board of Guardians, who resigned last week and was asked to reconsider his resignation, has replied thanking the Guardians, but declining to retain the post. The Board have passed a resolution recording their "thorough appreciation of his sterling worth and constant attention to duty at all times," and wishing him success in the medical profession.

Throwing Physic to the Dogs.

At a meeting last week of the Guardians of the Carrick Union, the Master reported that, having made inquiries respecting the medicines thrown out by the Medical Officer, he had ascertained that the latter had ordered arsenic not required for use in the infirmary to be thrown out as it was dangerous, and also a number of bottles containing medicines which had no labels on them and could not be used, also some infusions which had been in the laboratory for a number of years. The Medical Officer wrote admitting having thrown out certain medicines, as he considered them unfit for use through their age. He had no objection to submit to the committee such medicines as he considered unfit for use. The Guardians considered the explanation satisfactory, and the matter dropped.

The McGovern Hydrophobia Cure.

Last week, in the House of Commons, the Chief Secretary stated in reply to a question that if Mr. McGovern, the Cavan hydrophobia doctor, were willing to submit to the medical inspectors of the Local Government Board the particulars of his alleged cure for rabies, together with the recipe of the medicine or preparation given to his patients, the Board would direct an inquiry to be held; but that on inquiry already made, the Board had been informed that the McGoverns could not disclose their remedy, which they declared they were bound to hold from father to son. It was obviously impossible for the Local Government Board for Ireland in any way to recognise the pretensions of persons who, like the McGoverns and the so-called cancer-curers, had no professional knowledge, but laid claim to the exclusive possession of medical secrets and were unwilling to submit their methods of treatment to the examination of competent judges.

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A Chemist Registrar.

Mr. Hugh McMillan, chemist, High Blantyre, has been appointed parish registrar at a salary of 70*l.* by the Blantyre Parish Council.

Presentation.

A dressing-case and silver match-box have been presented by his friends to Mr. Michie, late assistant with Messrs. Galloway, Sons & MacLeod, Inverness, on his leaving that town to fill a position with Messrs. Duncan, Flockhart & Co., Edinburgh.

Aberdeen Chemists' Annual Assembly.

The Aberdeen chemists and their lady friends met in the Trades' Hall, on February 9, for their annual "assembly." Mr. James Clark presided over a goodly company. After a tea a short musical programme was performed, and then came the "assembly," which, we are assured, was much enjoyed. ["Assembly" in Scotland is a dance or annual meeting of parsons. This was a dance.—Ed.]

A Will-case.

Mr. William Smith, chemist, Elgin, was one of the defenders in a will-case decided last week in the Elgin Sheriff Court. The pursuer, Ann Reid, claimed that certain annuities left to her by a Dr. Urquhart, deceased, should be paid free of legacy-duty. The trustees of the will, of whom Mr. Smith was one, contested this claim, but the Sheriff-Substitute granted it.

French News.

(*From our Paris Correspondent.*)

A Cycling Pharmacy.—Accidents have been so frequent this winter during the races on the covered cycling-tracks in Paris, that the managers have decided to install a small pharmacy for giving "first aid" to the injured riders. A similar pharmacy already exists on one of the summer tracks here.

A Trade-mark Question.—A dealer of Bordeaux has shown considerable tenacity in contesting the trade-mark rights in "Robur Quinine-wine." A decision was given in favour of the trade-mark on August 7 last, but the defendant appealed. The case has just been heard again, and has again been decided in favour of the plaintiffs.

M. Amédée Vée, who died recently, like many other distinguished French pharmacists, was also a doctor of medicine. He had long been prominently to the front in all leading questions relating to his profession. He was Presi-

dent of the Syndical Chamber of Chemical Products from 1880-84, also a member of the jury of the Paris Exhibition of 1889. His early work included a valuable research on the constituents of Calabar bean.

In Honour of Quinine.—At a recent meeting of the Paris Academy of Medicine, M. Planchon mentioned that the Society of Pharmacists of the Seine had petitioned the Paris Municipal Council with a view to obtaining a commemorative souvenir, in Paris, of Pelletier and Caventou, the discoverers of quinine. He remarked that the suggestion had already received the hearty support of the Paris Society and School of Pharmacy, and he asked the Academy, of which both Pelletier and Caventou had been members, to support the appeal. He referred to the recent inauguration of a statue of Dr. Maillot, who had done so much to popularise its use, suggesting that the inventors were at least worthy of a similar honour. The Academy agreed unanimously to support the suggestion.

The President of the Republic paid a visit a few mornings ago to the Pasteur Institute. Dr. Roux acted as cicerone. President Faure was especially interested in the microbe of the bubonic plague, which had been taken from a Chinaman, recently received direct from Dr. Yersin. Dr. Roux explained that this microbe has very little resistance, and is destroyed by any antiseptic, but that it is difficult to combat it in the East, where the conditions of hygiene are so defective. If, however, he added, the plague should penetrate into Europe it could be fought without difficulty, and the best preventive remedy would simply be cleanliness. The President said, "That cannot be too widely known," and, turning to the Minister of the Interior, he added, "You hear, Monsieur le Ministre? Marseilles may be reassured." After visits to the cholera and erysipelas sections, the President was taken to the rabies department, and saw eight inoculations made, including those on two English soldiers who had arrived from India the same morning. The President afterwards visited Pasteur's tomb.

The Exhibition of 1900.—As at present arranged, chemistry and pharmacy will figure as class 86 in group 14 of the Paris International Exhibition of 1900. The various articles and substances mentioned include utensils and apparatus for laboratories, apparatus for industrial and commercial experiments; materials, apparatus, and processes for (1) the manufacture of chemicals, soaps, candles, and glycerine, (2) the electrical manufacture of oxygenated water, chlorine, soda, &c., (3) the compression of gases and the manufacture of artificial textiles, (4) the manufacture of vegetable essences, varnishes, indiarubber, &c., (5) the treatment of mineral substances, including coal, petroleum, ozokerite, &c., (6) purifying water for industrial purposes, and (7) the manufacture of pharmaceutical products. Also such products, &c., as acids, alkalies, salts, sulphur and derivatives, phosphorus, oxygenated water and ozone, marine salts, sundry products for chemical industries, indiarubber, dyes and colours, petroleum, denaturalised alcohol, liquefied gas, artificial textiles, raw products for pharmacy, simple and compound medicaments, &c.

The Introduction of Vaccine in France.—A statement has been made by Dr. Viaud that the introduction of vaccine in France is due to a doctor of Rochefort named Bohe Moreau, and not to the Duc de la Rochefoucauld-Liancourt, to whom the honour is generally attributed. Dr. Viaud founded his supposition principally on the fact that inoculations were made by the provincial physician some days before those tried at Paris at the instigation of the titled scientist. Dr. Hervieux endeavoured to show at the last meeting of the Paris Academy of Medicine that Dr. Viaud was misinformed. He said that no comparison could be made between the advance of a few days at Rochefort and the important investigations which had preceded the Parisian inoculations. He drew attention to the fact that the Duke had previously studied the system of vaccination in England, and had also organised a committee for the propagation of the system in France. Amongst other things this committee undertook to collect subscriptions to meet the expenses connected with its introduction. These services, Dr. Hervieux said, show that the real honour belongs to the Duke.

Colonial and Foreign News

Phenacetin in Powders.—We mentioned a few weeks ago that phenacetin was to be sold by the makers in the United States in packets only. The *Druggists Circular* now states that in consequence of the strong objection of the drug-trade to this method of putting up it is to be discontinued.

Popular Handbooks in Switzerland.—The Swiss Government have granted a subsidy of 3,000f. to the Association of Swiss Analytical Chemists, for the purpose of assisting them in publishing a popular handbook on the purity of food and drinks in the German and French languages.

British Firms in South Africa.—Mr. J. R. Webber, who has been for many years in the African trade, has been appointed South African representative for the firm of Lynch & Co. (Limited), of London. Messrs. Langton, Edden & Co. and Messrs. Meggeson & Co. are now represented at Capetown conjointly.

The Decimal System in Russia.—According to the *Russian Pharmaceutical Journal* the new official maximum tariff of charges for pharmacists, which will shortly be issued, will be based on the decimal system. At the same time that system is to be made compulsory in all Russian pharmacies. Up to the present the old Nuremberg medical weights and measures have been employed.

Off for Bulawayo.—A smoking-concert was given at Capetown, on January 13, in honour of Mr. W. D. Copley, manager of P. J. Petersen & Co.'s Adderley Street branch, who is leaving Capetown for Bulawayo. Upwards of forty attended, including Mr. Harry Evans, the managing partner of the firm, and Mr. Copley's health was drunk with great enthusiasm, especially by those who had worked under him.

The Late Dr. Hager.—In our issue of January 30 we announced the death of Dr. Hermann Hager, one of the principal representatives of scientific pharmacy in Germany. The death of the veteran scientist was for a while kept secret from his wife, to whom he had been married for nearly fifty years, and who herself was an invalid. On the day of the funeral, however, the news was broken to the widow, who was so affected by the announcement that she died the same day.

A Hager Memorial.—Last year, during Hermann Hager's lifetime, a collection was set on foot in Germany and Austria to present the pharmaceutical veteran with a substantial token of esteem. A considerable sum was subscribed and partly handed over to Dr. Hager. About 3,700m. still remain in the hands of the honorary treasurer of the fund. With this money it is proposed to erect a monument on Hager's grave.

New Belgian Pharmacopœia.—A new supplement to the Belgian Pharmacopœia was to have been published on January 31, but the pharmacists who are charged with the editing of the work have not finished their duties in time. The Belgian Minister of Agriculture, who appears to look after pharmacopœial matters also, has now extended the time for preparing the supplement to May 1. The Belgian Pharmacopœia itself is also in process of revision.

A New American Drug Company.—The "Des Moines Drug Company" has been established at Des Moines, Iowa, U.S.A. The capital is $200,000. Mr. C. P. Kinyon is President, Mr. W. G. Jordan Vice-President. The new company, it is reported, will consolidate the firms of Hurlbut, Ward & Co. and the Kenyon Drug Company of Ottumwa, and add $100,000 capital to the old business. The management of the concern will be changed in all departments, Ottumwa men taking charge.

Jew Pharmacists in Russia.—By a recent decision of the Russian Senate, Jews who have received a university education are allowed to reside freely in any part of the empire, not merely "for the purpose of practising the profession they have studied," as the permission had been hitherto interpreted to mean. Jews who have received the necessary education are to have absolute freedom, whatever their actual occupation may be. The particular case which has

called forth this decision on the part of the Senate occurred in the Province of Kursk, where a Jew, who held a diploma as a qualified pharmacist (to be obtained only after a special course of study at the university), was found to be employed in trade wholly unconnected with pharmacy, and ordered to return within the Jewish pale forthwith.

New Danish Customs Tariff.—A Bill for remodelling the Customs tariff is to be laid before the Parliament of Denmark. It is intended to increase the duties on articles of luxury and to reduce or abolish altogether those on necessaries. The proposals include an increase in the duty on soap and perfumery from 0·33½ to 0·50 kroner per lb., and on vinegar in bottle from 0·10½ to 0·15 kroner per "potter."

Ontarians Opposed to Stores.—At the meeting of the Ontario College of Pharmacy at Toronto, on February 3, the members considered the matter of department-stores selling drugs, and expressed the opinion that a law should be passed compelling a firm to take out qualification-papers, and if the firm was composed of two members both should have qualification-papers and pay separate fees. But how the college is to get that law the members did not venture to say. The College is flourishing, and has $8,000 of spare cash at present.

The Alleged Poisoning-case in Johannesburg.—Mr. Dinwoodie, the Johannesburg chemist who is charged with "culpable homicide" (a full report of the case appeared in our last issue), declared, at the adjourned investigation of his case, that he was not guilty, that he reserved his defence, that the evidence of one of the medical men called for the prosecution, respecting certain statements said to have been made by the accused after the death of the child, is untrue, and that he (Mr. Dinwoodie) did not dispense any morphia at all during the month of November, when the child's death occurred.

Co-operation in Italy.—The pharmacists of Tuscany have established a co-operative wholesale depôt in Florence, the share capital of which has been issued in shares of 50 lire. The object of the depôt is to supply its members with the principal pharmaceutical articles at cost price, and at a lower rate than they can be bought by pharmacists separately. The members take it in turns to fulfil the office duties of the depôt, look after the correspondence, forwarding of the goods, &c. They are not paid for their services. Anything purchased from the depôt must be paid for in cash. Up to the present the scheme appears to be working well.

Philadelphia Pharmacy is Parlous.—A correspondent of the *Spatula*, writing in regard to the condition of the drug-trade in Philadelphia, says a period of stagnation has set in, the cause of which seems difficult to explain. Pharmacists are hard at work straining their intellectual powers trying to discover some remedy to check the sudden destructive depression. Every day brings new reports of some poor unfortunate man of the pestle and mortar going to the wall. Thousands barely keep their equilibrium. We are inclined to think, from this last sentence, that the writer exaggerates.

Pharmacy in Italy.—There are probably no places anywhere in the civilised world so badly off for pharmaceutical conveniences as the small towns and villages of Italy. In a large number of them it is impossible to induce pharmacists to open a business, in spite of the system of municipal subsidies which prevails largely. It is now said that the Italian Government have taken into consideration a scheme of uniting pharmacies with post-offices in smaller communes, which would mean, we take it, that the postmaster would have to qualify as a pharmacist. The agitation for the abolition of the monopoly system in pharmacy is becoming very strong, and it is said that both the Prime Minister, Signor Rudini, and the Minister of Education are in favour of the movement.

The New Russian Pharmacopœia.—The fifth edition of the Russian Pharmacopœia will probably be published quite shortly. Its editing has been entrusted to a special commission, which has recently caused to be issued to all pharmaceutical and medical societies and persons of chemical note in the empire, proof-sheets of the list of articles which it is proposed to incorporate in the new Pharmacopœia. It is understood that no fewer than 218 preparations mentioned in the present edition of the work are to be eliminated in the new issue. The reason of this is that the Russian pharmacist, like most of his continental brethren, is compelled by law to keep in stock all articles mentioned in the Pharmacopœia, and that this has been found a heavy burden upon the smaller chemists. The principle has been adopted to incorporate only those newer remedies of which the value has been proved by very long practical experience and which have come into general use.

The New American Tariff.—The American Tariff Committee are making rapid progress, nearly one-half of the tariff-schedules having been considered already. The new tariff, as framed by the committee, will be practically identical with the old McKinley tariff so far as the chemical, earthenware, glass, metal, cotton, and agricultural schedules are concerned. The agricultural schedule has been lifted *en bloc* from the ex-McKinley Act. Items of interest to the drug and chemical trade are as follows:—Hops, 15c. per lb.; flax-seed, 30c. per bushel; salt, 12c. per 100 lbs. in packages, and 8c. in bulk; starch, 2c. per lb.; meat-extracts, 35c. per lb. In the chemical schedule the following are the chief features of interest:—Soap remains as under the present law; so do fixed oils, except linseed and flax-seed oil. The advance in the tariff on linseed oil is a result of the restoration of the McKinley duties on raw materials. Most other oils remain unchanged. Refined borax is advanced from 2c. to 3c. per lb.; under the old McKinley Bill it was 5c. per lb. Boric acid, also dutiable at 5c. per lb. in the first McKinley tariff, remains at 3c.; whilst borate of lime is increased from 1½c. per lb. to 2c. per lb. There are but trifling changes in dyestuffs. Lead in ores will pay 1c. per lb., pig lead 2c., and white lead acetate 2½c. per lb. At present brown acetate pays 1¾c. per lb.; under the old McKinley Act it was 3½c. per lb. Castor oil remains at 35c. per gallon. The duties on soaps, caustic soda, and other soda compounds remain unaltered. Glass plates in small sizes will pay a duty of from 5c. to 12c. per square foot, according to size. Large-size plates remain at 22½c. per square foot. The cotton schedule will be little changed, as also steel and iron, except tinplates and tube-steel, which will pay as under the McKinley Act. Wool will probably pay 5c. per lb. The remaining schedules are expected to follow closely the old McKinley tariff.

Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section, free of charge, if properly authenticated.

Mr. T. R. Ashton, for many years with Messrs. Jewsbury & Brown, Manchester, has purchased the business at Talbot Square, Blackpool, lately carried on by Mr. W. Chadwick.

Boots (Limited) have taken the ground-floor front part of Morley House on the Mansfield Road, Nottingham, formerly a branch of the Y.M.C.A., on a lease of tweuty-one years.

Mr. Robert Barker, 22 High Street, Mold, has opened a branch at The Cross, Buckley, under the management of his son, Mr. R. Barker, jun., late of the Manchester Royal Infirmary.

Mr. Stephen Steele, chemist and druggist, Burnham, has disposed of his business to Mr. James Watt, to whom the Latchingdon Magistrates have transferred the off wine-licence attached to the business.

Mr. Samuel Figgis, produce-broker, of 44 and 45 Fenchurch Street, E.C., announces that he has taken into partnership his sons Howard Bradley and Benjamin Ernest Figgis, and Messrs. T. E. Carey Bates and Thomas H. Urwick, who have taken an active part in his business for some years. The style of the firm remains S. Figgis & Co.

On February 9, Messrs. Henry Richard Arnold, Charles Samuel Webb, and Gerald Robert Moxon were admitted into the partnership of the firm of Burgoyne, Burbidges & Co., with which they have been connected for several years. Mr. Thomas Farries, the senior partner, will sign the firm as before, and any two of the newly-admitted partners will sign in conjunction. No formal announcement of the change will be made to the business friends of the house.

Australasian News.

Registration of a "Pharmaceutist" in Fiji.—The *Fiji Royal Gazette* of November 6 contains the following notice by the chief medical officer:—"In accordance with the provisions of 'The Medical Practitioners and Apothecaries Registration Ordinance, 1881-5,' the name of Mr. Frank Lloyd (a member of the Pharmaceutical Society of Tasmania) has been registered as a pharmaceutist and apothecary."

What Duties Cost.—The *Melbourne Argus* is trying to get its readers to see how much more they pay for their articles of daily consumption than their fellow-colonists in New South Wales, who have scarcely any Customs duties. It does so in a graphic manner by quoting, side by side, the retail prices of the largest stores in Melbourne (Foy & Gibson) and in Sydney (Anthony Hordern & Sons). Both houses have the reputation of being the cheapest in their trade, and are conducted on similar principles. Here are some of the figures:—

Articles	Sydney Price		Melbourne Price		Melbourne Duty		
	s.	d.	s.	d.	s.	d.	
Arrowroot (Queensland), per lb.	0	4	0	7½	0	2	per lb.
Cocoa (Van Houten's), per ½-lb. tin ..	1	9	1	10	0	3	„
Cocoa, Cadbury's Essence, per 8-oz. tin ..	1	4	1	5	0	3	„
Nestlé's condensed milk, per doz.	5	4½	7	10	0	2	per pint
Colman's mustard, in ½-lb. tins, each ..	0	8½	0	10	0	2	per lb.
Lucca olive oil (cheapest), in ½-pint bottles, each	0	4	0	8½	1	0	per doz.
C. & B.'s pickles, per doz.	10	6	13	9	3	0	„
Lea & Perrins' Worcester sauce, ½-pint, each	0	11½	1	2	1	0	„
C. & B.'s mushroom catsup, per doz. ..	7	3	7	9	0	6	„
Bryant & May's wax vestas, per gross boxes	3	0	3	9	1	0	per gross
Magic soap, per bar	0	8	1	0	0	2	per lb.
Monkey soap, per bar..	0	4	0	4½	0	2	„
Borax soap, per bar	0	2½	0	4½	0	2	„
Best brown soap, per cwt.	15	0	19	6	0	2	„
Pears' soap, unscented, each	0	3½	0	5	0	4	„
Preserving-jars, Mason's, glass-lined pints, per doz.	4	0	3	11	1	0	cub. ft.
Preserving-jars, Mason's, glass quarts, per doz.	4	6	4	11	1	0	„
Preserving-jars, Mason's, glass ½-gallons, per doz.	5	4	5	11	1	0	„
C. & B.'s vinegar, per bottle, each.. ..	0	7	0	8½	0	6	per gal.
Kerosene, 150 per cent., low screw, imp., per case of 8 gallons	10	0	5	9	free		
Kerosene, N.S.W. make, per gallons ..	8	6	—		free		

Seventy-five Pounds Damages against a Victorian Chemist.—At Bendigo (Victoria) on December 12, Mr. J. J. Cunningham, a chemist, was sued by Mrs. Pauline Rennie for 500*l.* damages for negligence in the preparation of a powder sold to plaintiff. Plaintiff, on May 15, was suffering from a bilious headache. Her mother went to defendant's shop for an antipyrin powder. Defendant, who was engaged in conversation, made up a white powder for her, which she gave to her daughter in a glass of water. Scarcely had it been taken when defendant rushed in excitedly and inquired if the powder had been administered. When told that it had, he administered another powder to produce vomiting. This did not succeed, and a medical man was called, to whom the chemist said that he had given 10 gr. of cocaine instead of antipyrin. The medical man produced vomiting by tickling the patient's throat with a feather. The plaintiff claimed that she had not had her usual health ever since, and the medical evidence was that she was in a nervous state apparently resulting from a severe shock. No definite cocaine-symptoms could be traced. The defendant said that the only ground for believing that he had given cocaine for antipyrin was that he was engaged in conversation when he made up the powder. Soon afterwards he noticed that the cocaine bottle was not in its usual place, but close to the antipyrin bottle. Then the thought flashed across his mind that he had made a mistake, and he promptly tried to remedy it. On consideration afterwards he became convinced that he had not given cocaine. The Judge considered that defendant had actually given cocaine in mistake for antipyrin, and awarded plaintiff 75*l.* damages.

The Winter Session.

CHEMISTS' ASSISTANTS' ASSOCIATION.

Last week the members of this Association had it forcibly brought before them that the society is getting old, for Mr. Walter A. Tasker communicated a paper entitled

Suggested Improvements.

It is only the venerable amongst pharmaceutical associations to which such papers can be contributed. Although it was "a short-paper evening," we find Mr. Tasker's communication too long for our congested columns, so we pick from it the suggestions for the improvement of the C.A.A., and leave those interested to supply the reasons for them, and judge of their appropriateness:—

1. Anonymous papers on certain subjects should be welcomed, because the publication of the authors' names might be prejudicial to them in business.
2. Something should be done to introduce newly-elected members to the older ones.
3. Smoking should be allowed at all the meetings at which ladies are not present.
4. Members' names should not be removed from the roll once they are elected.
5. A life-subscription to be instituted.
6. The Association should form a Bureau d'Emploi.
7. A trade section of the Association should be started to settle all matters in regard to assistants and their employers.
8. Also a lodge of Freemasonry.
9. Get a member of the Galen Lodge to address the C.A.A. on the subject.

The President said that there was no great objection to smoking at their meetings. The suggestion to make a person once a member always a member was not bad, but there could be no reduction in the subscription. A drawback to the utility of an employment register was that under existing arrangements access could only be had to it once a week. Referring to No. 7, he said there were few businesses where the relationship between employer and employed was so good as in pharmacy. As to avoiding certain firms whose methods might be objectionable, the suggestion was good enough, but before it could be of any use there would have to be far greater union among assistants than there was at present.

Mr. F. R. Ellis said he had recently returned from the provinces, so was aware that when men leave London they lose touch with the Association; if allowed to remain members at the nominal sum of 2*s.* 6*d.* many might avail themselves of the opportunity of keeping their names on the books.

Mr. H. H. Robins thought the suggestion respecting the introduction of new members was especially good; if the older men knew who were new members they would look after them. He thought they could afford country members at 2*s.* 6*d.* per annum.

Messrs. C. E. Robinson, T. M. Taylor, T. Tickle, and S. Summers continued the discussion, the feeling being against anything that would disturb present amicable relations with employers, and tobacco and dignity had about equal support.

Mr. S. Summers then read some notes on the life and work of Dr. William Harvey, the anatomist and discoverer of the circulation of the blood. The only other subject brought before the meeting was, What should be dispensed for ess. limonis ʒss. in a 6-oz. aqueous mixture? "The oil," replied the meeting.

EDINBURGH CHEMISTS', ASSISTANTS', AND APPRENTICES' ASSOCIATION.

At the meeting of this Association held on February 12, a paper was read on

The Profession of Pharmacy.

Mr. W. Makepeace Lock was the author, and he took the subject from the assistants' point of view. The author reminded his hearers of a paper he read to them

two years ago—"The Profession of Pharmacy from an Apprentice's Standpoint." That effort embodied the life-history of a dead friend who about a year previously had gone "to swell the ranks above." Extracts had been taken from his well-kept diary, and were elaborated by Mr. Lock with the purpose of exposing certain anomalies which existed in those days in the "profession." Bottle-washing, syphon-carrying, window-cleaning, harsh words, stormy scenes, vengeful vows—these, he then showed, constituted the life of the apprentice chemist. The author was no longer in the profession, and he confessed that his views were altered, as it had then been predicted they would be. He now thought that these menial duties constituted a necessary part of the training of the embryo pharmacist.

A profession pharmacy certainly is not. The "professional" view is only in vogue with a certain class of employés, who, after all, are no better than their neighbours. Barbers' utensils, confectioners' goods, grocers' specialities, and tobacconists' luxuries, all are found, as a rule, in chemists' shops. This state of things is distinctly unprofessional. At the same time, as a means of livelihood, it is distinctly good, and to a man with brains and capital still leads on to fortune. One man calls his shop a "pharmacy" and himself a pharmacist, and another, with the same qualifications and more brains perhaps, calls his place a "drug-store" and himself a druggist. Neither is wrong, if neither is right.

The ex-apprentice's ideas of pharmacy are on most points those of his late employer. He has hardly yet had time to recover from the stings and insults which had been heaped upon him during these long years, and now with much bitterness of spirit he seeks an appointment where he shall be tolerably recompensed, and get a few hours to prepare for his examination. Long hours, incessant labour and insufficient exercise at the time when the human machine needs a little oil, have wrought havoc on his body. What he requires is a holiday, recurring at regular intervals—the shorter the better. Mentally healthy, his brain is stored with knowledge of divers kinds, and if these be used aright he will in time be in a position to render himself a valuable ally of the physician. If, on the other hand, he puts his knowledge to an improper or illegal use, he is equally fit to associate with criminals and to enjoy a pension from the State for the rest of his life. What he requires is a real friend to encourage his good qualities.

Having sketched several types of assistants who have failed, the author said the successful assistant is alive to the fact that to be prosperous in business necessitates a comprehensive and not merely a superficial knowledge of human nature, counter-routine, and tricky ways. Well does he know that the man who pleases his employer most is the unblushing liar, the brazen-faced automaton, and the conscienceless commission-collecting counterman. His conception of business is to buy every article for as much as possible less than its value, and to sell it for as much as possible more. To effect this double object he must clearly have always two opposite sets of statements and arguments ready for production and assertion. To do this convincingly and well requires extreme versatility, readiness of resource, presence of mind, and a certain appearance of genuine, hearty, earnest uprightness. This combination of powers constitutes true business ability, and to the enviable assistant is worth a fortune.

In this connection Mr. Lock read to his audience a poem published in The Chemist and Druggist of September 12, 1896, headed "Not Official," and concluded his address with some moral reflections.

Mr. George Sinclair then read a well-written and thoughtful paper on

Progress in Pharmacy,

a title which had been selected for him, and which he confessed some difficulty in writing up to. The initial idea of the paper was based upon the present century, and especially Victoria's reign, being an era of progress. Admittedly it has been so in respect to science—chemistry, medicine, and pharmacy sharing in that progress. When one looks at the pharmaceutical examination-results progress does seem to be backwards, but the progress in the elegant production of medicines has been quite remarkable, and this Mr Sinclair took as a direct result of the improved taste and enhanced refinement of the people. He gave examples of this, such as the improvement in cod-liver oil from the nasty brown stuff to the present "pure bleached [?] tasteless oil" and its multitude of preparations; the obsoleteness of castor oil as a remedy amongst the higher classes; and the introduction of cascara sagrada in debitterised or palatable forms to take its place. This is the result of the growth of a luxurious style of living, and the dispensing chemist would have been none the worse for the change if he had not, said Mr. Sinclair, been so slow to adapt himself and his methods to the change, thus giving the large manufacturer the opportunity of stepping in, and supplying the very things that the public wanted; so that now the chemist finds his shelves filled with such products of elegant pharmacy as bi-palatinoids, capsules, gelatine-coated pills, elixirs, liquors, jelloids, jellies, tabloids, tabellæ, and that questionable form of elegant pharmacy medicated wines, the popularity of which depends not so much on their being elegant medicines as elegant tipples. Ten years ago an average of 5 per cent. of prescriptions were for products of large manufacturing firms; to-day the average, Mr. Sinclair finds, has reached 20 per cent. If the increase goes on at this ratio chemists will soon be mere automatic machines for scraping off makers' labels and writing and putting on their own. The matter is becoming very serious for the retail pharmacist. On the one hand, his business has been curtailed by the cutter so far as patent medicines are concerned; and, on the other hand, that department which chemists—in Scotland, at least—still believe, in spite of what The Chemist and Druggist says to the contrary,* to be the mainstay of the business—*i.e.*, the dispensing-department—is being undermined by the number of these elegant products, which are kept continually before doctors by means of liberal supplies of samples, &c., and which so frequently bear a very small margin of profit, taking into consideration the stock that has to be kept, and the loss arising from having a bottle left two-thirds full on his hands. Not only so, but his reputation is being damaged by statements such as the following: "Pills superseded." "The failure of shop tinctures," &c., which are kept persistently before the medical profession by means of advertisements in their journals. As a remedy for the evil, Mr. Sinclair advocated that dispensers should pay greater attention to the elegance and accuracy of the medicines which they turn out, and that this is needed was shown by a remark made to the writer by a Professor in the College of Medicine in Edinburgh, who said to him, when he could not supply pills made by an American house, and offered to make them from the printed formula—"If there is one thing Edinburgh chemists could not do, it is to turn out decent pills; they are either sent out smothered with powder or all adhering to each other." The dispenser overcame the doctor's prejudices, and he is modifying his opinion, but the moral is there, and Mr. Sinclair enforced it by some examples of bad dispensing which he had seen, specially referring to pills, and replying to Helbing and Passmore's objections to the insolubility of pills and inequality in the distribution of their ingredients. After referring to the advantages and disadvantages of tabloids, as compared with pills, Mr. Sinclair suggested that cachets and capsules might be more frequently made at the dispensing-counter, and even effervescent granules, the dispenser making it known to prescribers what he can do in these directions.

The reading of the papers was followed by a discussion, taken part in by Messrs. Brand, Currie, Hill, Kidd, Lock, Lunan, McBain, Macpherson, Reid, and Sinclair.

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* "In old times the rank of the pharmacy was gauged, first, by the number of prescriptions dispensed, and, secondly and principally, by the prices obtained. The chemist took an artist's pride in his dispensing, and at the same time looked upon it as the chief financial prop of his business. It never was this in one case out of a hundred."—*C. & D.*, January 9, page 55. That certainly applies to this side of the border, where general medical practitioners, with few exceptions, dispense their own medicines. It is many years ago since a leading Scotch pharmacist submitted to us figures which he had carefully compiled regarding the dispensing part of his business (which was very good indeed) that showed the work done there to be the least profitable. This was on the Edinburgh price-list basis in a good retail cash and booking business, and with full price for patents.—Ed. *C. & D.*

ABERDEEN JUNIOR CHEMISTS' ASSOCIATION.

At last week's meeting of this Association Mr. Robert Glegg gave a lecture on "Sound." This was the last lecture of the session. Mr. Glegg, in this lecture, used three candles, a tuning-fork, a long tin pipe, and a piece of wood over which a thin wire was pulled, on the same principle as a fiddle-string, to illustrate the laws of sound. He also gave brief explanations of the phonograph and telephone.

BRIGHTON JUNIOR ASSOCIATION OF PHARMACY.

At a meeting of this Association held on February 10 a lecture was given by Mr. P. M. Short (of Burroughs, Wellcome & Co.) on "The History of Tea." The lecturer described the cultivation, production, and chemical composition of tea in general. Chinese teas, he said, are often "doctored up" with Prussian blue, sulphate of copper, and other injurious chemicals, which no doubt have led to tea being injurious to digestion. His own experiments, made with a glycerine extract of pepsin acting on dried meat-fibre with and without the addition of tea-infusion, had satisfied him that the action of tannin is merely mechanical in retarding the process of digestion, and that it does not act, as many think, by tanning the mucous membrane of the stomach. The effect of the tannin is much more than counterbalanced by the action of the caffeine or theine which tea contains. It is to this alkaloid that the stimulating action of tea is due. Its chemical name is trimethylxanthine. It is thus built up from xanthine, one of the essential substances for the nutrition of muscle, and from alcohol. The essential oil to which tea owes its flavour is of little value, except for flavour. There is also an alkaloid in tea which is the cause of the bitterness, and it is only extracted on allowing the tea to infuse for more than five minutes. This may yet prove to be the injurious agent. The bitter principle he (the lecturer) had been able to isolate in the form of a yellowish powder, crystalline, and with a very bitter taste, slowly soluble in water, freely soluble in absolute alcohol and ether. It has basic properties, and seems to answer the tests for alkaloids. It requires some further inquiry in order to ascertain its action, but he took it to be allied to thebaine or brucine.

HALIFAX AND DISTRICT CHEMISTS' ASSOCIATION.

At a meeting of this Association held on February 11, Mr. J. B. Brierley in the chair, Dr. Dolan, J.P., gave an address on "Micro-bacteriology," illustrating his subject with excellent diagrams. Mr. Clement Fielding next introduced the subject of "Incompatibles in dispensing," and produced samples of the prescriptions of some eminent medical men, the discrepancies in which were pointed out.

BRADFORD AND DISTRICT CHEMISTS' ASSOCIATION.

On Tuesday night last, Mr. W. M. Gardner, F.C.S., Head Master of the Chemical Department of the Bradford Technical College, lectured to the members of the above Association, his subject being "Modern Alchemy." Mr. Dunn presided, and the lecture was much appreciated.

WESTERN CHEMISTS' ASSOCIATION.

A meeting of this Association was held at the Craven Arms, W., on Wednesday last, when Mr. R. H. Parker, F.C.S., read a paper entitled, "Will Legislation help Pharmacy?"

The President (Mr. J. W. Taplin) was in the chair.

Mr. Parker argued that legislation was unfortunately a necessity to pharmacy. Without it the position of pharmacists in Great Britain would have become much less satisfactory than it is. It was possible to draft a Pharmacy Bill that would place their calling upon a safer and rational basis, combining the public welfare with their own, but the difficulty would be to get it passed into law. If there was any such desire they must look for the accomplishment of it from the pharmacists themselves. They could expect very little sympathy in that direction from outsiders, as pharmacy had very little direct representation, while there was a perfect phalanx of opposition. Any attack on company pharmacies or interference with the privilege of dispensing by doctors would bring them plenty of opposition, while, on the other hand, counter-prescribing by chemists would be combated by doctors. Witness the opinion of Dr. Rentoul, who says that no chemist is qualified to prescribe, and that doctors are perfectly entitled to dispense their own medicines, and he also had the audacity to say that medical practitioners should form a company where their prescriptions might be dispensed. He (the speaker) considered that this was a greedy, money-grabbing principle. There was also no practical sympathy for the pharmacist among lawyers. The whole spirit of the Pharmacy Act was directly opposed to the pharmacist, and when it was framed company-pharmacy was not thought of. Coroners could not be counted as friends—one especially, Mr. Braxton Hicks, seemed to be opposed to them. Coroners were ever ready to kick the chemist when he was down, and did not fail to trot out the law and lecture him when occasion required. Success in pharmacy, he thought, might be summed up in one word—viz., education; and in this age of competition it was the survival of the fittest. Legislation would not help them much, and he was forced to the conclusion that sound education and friendly intercourse with their neighbouring pharmacists would do more to make their calling successful.

Mr. J. W. Hyslop said the paper called to his mind the proverb that "Providence helps those who help themselves." He thought the paper bristled too much with pessimism. The progress made in the House of Commons to help pharmacy was very scanty and unsatisfactory, one of the retarding factors being that they put too many lawyers into Parliament. He agreed with Mr. Parker that coroners treated the pharmacist unfairly. He wanted to know why coroners should be medical men as a rule, and maintained they should be legal men, able to judge the merits of every case, and empowered to hire medical assistance when necessary. The coroner overstepped his duty again and again; and if the chemist stood upon his dignity the coroner would soon learn his true position. It would not be wise to approach Parliament in anything like a trade-union manner, a spirit of greed, or upon the score of numbers, as they were so few. They must urge upon the legislators that those who handle drugs should be thoroughly competent.

Mr. Warren did not think they would get much out of legislation. If they had power to improve the education of their coming members in conformity with the progressing tendency of the times, and to consolidate themselves, they would best promote the general good.

Mr. Andrews thought they should say, "Has legislation helped pharmacy?" He did not think it had, for before the Pharmacy Act of 1868 they held a much higher position than they did at the present time. If legislation had not been invoked they would not have been in a worse position than they were now. No doubt something would have been necessary, but that was another question. They must look to education to improve pharmacy, and not upon outside efforts.

Mr. Parker, replying, said the educational side of legislation had been beneficial to them, and it would be as well to leave future legislation alone except on that point. They would find great difficulty in crystallising their ideas as to what they wanted. As long as they had first-class chemists the public would recognise that it is correct for them to buy their arrowroot, &c., from them, and the chemist would vindicate his superiority as the result of his training. He thought the Pharmaceutical Council ought to take into consideration any cases where a chemist is concerned in a coroner's inquest, and prepare him for the ordeal by posting him up, as he was typically a modest retiring man, who was not at all anxious to stand up for his rights as he should do.

The next meeting was announced for March 17, and the Secretary will be glad if some member will contribute a paper for that evening.

Formaline-solution (1 in 1,000) has been used with remarkable success as a douche in the treatment of gonorrhœa, especially in women.

Trade Notes.

Messrs. A. & J. Warren, wholesale druggists, Bristol, wish us to state that they were not the makers of the inferior tincture of rhubarb referred to in the Malmesbury case last week.

The "Bessus" Photographic and Optical Lantern-catalogue for 1896-97 is a good one, and unique in one respect at least, for we cannot find in any part of it the name or address of the publishers or of any firm. Why this modesty?

The Iron and Steel Plant Company (Limited), of 3 Crown Court, Old Broad Street, E.C., have for the second time received an order for a quantity of Caird's stamped-steel barrels from Captain Andree for the second balloon expedition. These barrels are required for the transportation of sulphuric acid.

The Secretary of Professor A. Loisette's Assimilative Memory System thinks our paragraph last week was likely to convey a wrong impression. We said that the volume now published was a reproduction of his system. It is, says the Secretary, the identical work issued by Professor Loisette before his death, unaltered in the slightest manner.

A Big Catalogue.—Messrs. Lynch & Co.'s catalogue of druggists' sundries, proprietary articles, shop-fittings, show-cases, and surgical instruments for 1897 is a colossal book. The actual catalogue part of it, exclusive of advertisements, but including index, extends to 480 quarto pages, and there are nearly 2,000 illustrations in it. It is a valuable catalogue for buyers, and, we fancy, one which the firm do not scatter broadcast, but business-men who write to 192 Aldersgate Street, E.C., will no doubt get a copy of it.

Messrs. Wyleys (Limited) have published a new priced catalogue of medical and pharmaceutical specialities. It covers 160 pages, and is remarkable for the circumstance that it represents exclusively the modern developments of pharmacy. Pearl-coated pills, compressed pillets, fluid extracts, concentrated mixtures, powders in cachets, glycerine tinctures, and so forth are among the goods described. Mention must also be made of the beautiful half-tone illustrations of the firm's specialities which adorn this handsomely-printed catalogue.

Mr. B. Kühn, 36 St. Mary-at-Hill, Eastcheap, E.C., has been appointed sole agent for the British Empire for the anti-diphtheritic serum (Ruete-Enoch) produced at the bacteriological section of Messrs. Sthamer, Noack & Co.'s works, Hamburg. This serum is produced under State control, and is all tested at Berlin by the State authorities before it is sent into the market. At present the strengths offered are 100, 150, 200, and 250 units per cubic-centimetre, and the serum is supplied in bottles of 200, 600, 1,000, and 1,500 immunity units.

Messrs. Hertz & Collingwood inform us that some of their pharmaceutical customers have understood from the editorial note on "Coca-wine" which appeared in The Chemist and Druggist last week that we intended to say it was made by the direct addition of the alkaloid to the champagne. This was not intended, nor was it said. We simply excepted coca-champagne from a general statement in regard to the manufacture of coca-wines. We know that Messrs. Hertz & Collingwood's coca-tonic champagne is made by the addition to the champagne before it is bottled of a standardised extract of the coca-leaves.

Book-marks.—Messrs. Oldfield, Pattinson & Co., 17 Todd Street, Manchester, have brought out some artistic book-marks for advertising their silver-churn specialities. They are of floral design, field-flowers being reproduced on the front in effective, yet not glaring, colours, and on the back are particulars of silver-churn butter-colouring, essence of rennet, and butter-powder (on others Persian bouquet soap and powder), with a space at the bottom for the agent's name. Any chemist who stocks these specialities can get a supply of the book-marks from the firm on application, and none should miss the chance.

This Season's Cod-liver Oil.—Messrs. Raimes, Clark & Co., wholesale druggists, Edinburgh, take exception to our statement that Messrs. Wright, Layman & Umney were "the first to bring *to England*" this season's cod-liver oil, for Messrs. Raimes, Clark & Co. received their first consignment into stock a week earlier, and they send us a copy of a circular dated Thursday, February 4, which they had printed and issued on its arrival. This was "the very finest" oil. Inman's Stores, Limited, of Edinburgh and Leith, also write: "It may interest you to know that *in Scotland* we were considerably ahead of W., L. & U.'s date, as we had a first delivery of five casks on February 3"; and Messrs. John Ismay & Sons, Newcastle, state that they received theirs on February 8, which they "believe to be the first new oil received in this country this year." All of which still leaves Messrs. Wright, Layman & Umney the credit of making the best of their own prompt consignment of oil by informing the trade of it through the *C. & D.*

Fry's Malted Cocoa.—Messrs. J. S. Fry & Sons (Limited), Bristol, the well-known makers of pure concentrated cocoa, make also a breakfast cocoa, which is specially suited for druggists' handling, since it is a malted preparation, and is particularly easy of digestion. The firm have now made this cocoa for a number of years, and, we understand, it consists of the pure concentrated cocoa, to which is added a proportion of Messrs. Allen & Hanburys' extract of malt, the mixture being dried *in vacuo*, so that it is still presented in powder-form. It possesses distinct diastasic value, and the addition of the malt appears to facilitate the absorption of the cocoa, for we have observed that it does not induce a headache in those who cannot take cocoa for that reason. Children especially are fond of it, and, as an addition to their diet in summer and winter, it is of distinct value, being decidedly more nourishing than cocoa alone, and the malt combination with the theobroma oil may in some cases serve to prepare the way for malt and oil. The malted cocoa may be obtained through the wholesale houses, including Messrs. Allen & Hanburys (Limited).

Hearon's Memoranda.—The twelfth edition of this useful publication of Messrs. Hearon, Squire & Francis comes to us in a new form—viz., as a small bound volume of 176 pages, printed and got up in all respects with good taste. The information contained in the "Memoranda" has been selected with full appreciation of what dispensers and prescribers will most frequently require from other than pharmacopœial sources. Thus there are nearly forty pages on new remedies, apart from animal preparations, serums, photographic-chemicals and the like. The chapter on the doses and uses of drugs and chemicals is an original arrangement. It is alphabetical, and the paragraphs are in this style:—

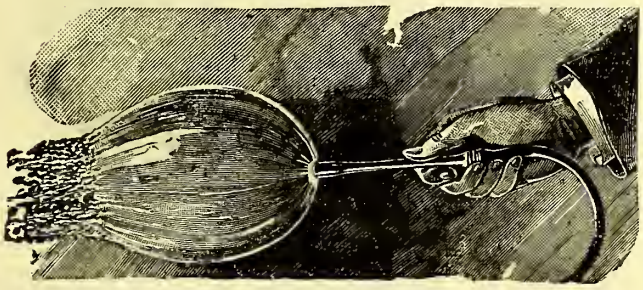
Aluminii Chloridum — serviceable in locomotor ataxy, and diseases of the nervous system . . . . . 2 to 4 gr.

The result of this is that the name of the article and the dose are seen at a glance. Apart from these purely non-business matters, the book contains useful notes on the firm's own products, including a complete formulary of pills, and these are always allied with bits of specific information. Towards the end are useful tables, such as veterinary posology, poison antidotes, medical glossary, solubility tables, metric weights, &c. Altogether it is a book which the firm's customers will be glad to place beside their "Squire" or "Martindale." It is priced at 2*s*., quite a nominal figure, as it is worth more.

Alkali-products.—When we wrote in our Winter number regarding the bicarbonate of soda which Messrs. Brunner, Mond & Co (Limited), of Northwich, supply to aërated-water makers at 5*s*. per cwt., we did not make it sufficiently plain that that bicarbonate is a special brand sold to aërated-water makers only. It is a cream-coloured bicarbonate, whereas the company's bicarbonate for medicinal purposes is milk-white. We have had the opportunity of examining these and other products made by Messrs. Brunner, Mond & Co., and, perhaps, a few notes upon them will not be unacceptable to those who have not fully realised the revolution which the Solvay process has effected in this country. In the first place, it should be noted that the bicarbonate of soda (white) fulfils absolutely the requirements of the British Pharmacopœia. By the Leblanc process it is exceedingly difficult to get rid of final traces of sulphur

compounds, but, as sulphur does not enter into the B., M. & Co. process, and as the bicarbonate is formed in the first stage of the operation, the product is both pure and cheap, therefore well suited for summer salines, &c. Another product—and one which druggists might make a great deal of—is concentrated crystal soda, a sodium carbonate in crystalline powder. The ordinary crystal contains about two-thirds of its weight of water; the C.C. soda contains three-fourths of its weight of dry carbonate—in other words, is twice the strength of soda crystals (washing soda). Why should chemists, who make little of the latter, not make a speciality of the C.C. soda? Housewives would be sure to appreciate it, for it dissolves so easily, and a better profit would be got on it. The C.C. soda is good for making water-softeners (alone or with perfume or alum), hairwash-powders, soap-powders, &c. The company's pure alkali in powder is also much used in compounding soap-powders. We have examined it and the various makes of caustic soda (ranging from 60° to 76°), and find that they are fully up to the stated strength, while they are free from colour, thus showing absence of sulphur and metallic contamination. We are specially interested in a sample of bleaching-powder made by the firm, than which there could be no better evidence of the company having overcome the difficulties of chlorine-recovery. This bleach is an impalpable, cream-coloured powder, guaranteed to contain not less than 36 per cent. of available chlorine; as a matter of fact, we find it to contain 38·69 per cent. (mean of three titrations). It is thus a superior article in strength as well as appearance.

Ball-nozzle Syringes.—The British-American Ball-nozzle Company, 3 Farringdon Avenue, E.C., have recently made substantial reductions in the prices of their products, so that their enema-syringes, including the unique ball-nozzle improvement, are now retailable at the usual rates.



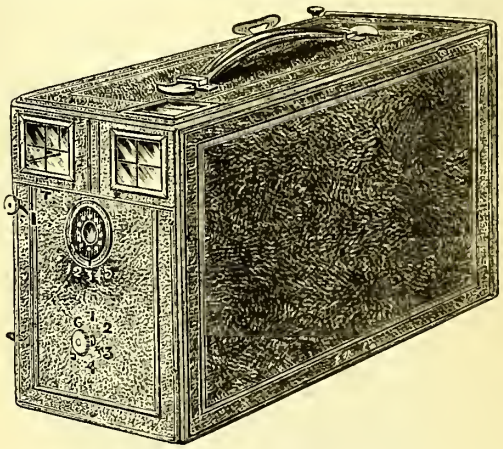
It will be remembered that the ball-nozzle is applied to the vaginal pipes, the effect being the production of an egg-shaped sheet of liquid (as in the figure), which nurses and doctors agree is admirably adapted for washing the uterine cavity, especially after confinements. This pipe is now so made that it can be pushed upon any rectal pipe, and with any ball-syringe, as well as with syphon-douches. Moreover, the diffuser is fixed, the inside of the ebonite tube polished, and free from any elastic or spring arrangement, so that chemicals may be used in the douche liquid without fear of crystallising and fixing the diffuser. The ball-nozzle vaginal tubes are supplied separately, and may be obtained through all trade houses.

The Examiners Wrong.—It is not an uncommon thing in examinations for men who have been ploughed to think they should have passed. Not every one, however, has the courage of his convictions like a candidate at a Law Agents' examination at Edinburgh the other week. Being informed that he had failed, this young gentleman insisted that some mistake must have been made, prevailed upon an official to show him his papers, and then triumphantly proved that his marks had been wrongly added up, and that he had really passed. Passed he accordingly was. The mistake was serious and inexcusable, and whoever made it deserves a severe wigging. At the same time, I hope that the incident will not cause rejected candidates generally to jump to the conclusion that they are the victims of similar errors, or examiners will have an unhappy time of it.—*Truth.*

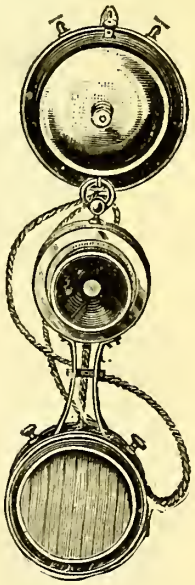
Our Town Traveller.

Scientific Specialities.

Messrs. F. A. Darton & Co., of the Clerkenwell Optical Works, St. John's Street, E.C., have introduced several good novelties recently. One of them is the hand-camera here figured—as neat and handsome a thing for a plate-camera as we have seen, considering that the price is only 30*s.* for the quarter-plate size. The camera is covered in black-grain leather, and carries twelve plates. These are placed in position one in front of the other in a well-known manner, but the lever which lifts the plate when exposed and places it face downwards at the bottom of the camera strikes us as novel. With each turn of this lever the number of the plate ready for exposure is exhibited, and we may say that the holders are numbered. They are as good for films as for glass plates. The camera is fitted with Iris diaphragm, and time and instantaneous shutter. This shutter is quite simple, and has an exceptional arrangement for quickening



the speed of the instantaneous exposure, giving movements from a unitary fraction of a second to hundredths of a second. The camera is thoroughly well constructed and finished, and can be obtained with R.R. lens and in sling leather-case. It is a good line for chemists. In connection with photography, we may mention that we have seen in action a cinematographic apparatus which Messrs. Darton have invented, which will be cheap and adaptable to small lanterns. During our representative's visit they were working it with the acetylene light, of which they have been making a good deal during the winter. There are many novel things in the Darton warehouse, but the only other which we shall mention now is the telephone which they advertised in our Winter Number. They call it "The Handy," and sell a pair of them for 25*s.* Anyone can fix up these, and for connecting warehouse with pharmacy or dwelling-house with pharmacy they are exceedingly convenient, and as good in action at Sydney, Bombay, Johannesburg, or Belize as in London. All the connection needed is the wire and two Leclanché cells. The construction of the hearing and speaking parts are ingenious, it will be observed, as they are in one, and, the microphones being powerful, a speaker never requires to raise his voice nor move his phone or himself to make his listener hear better.

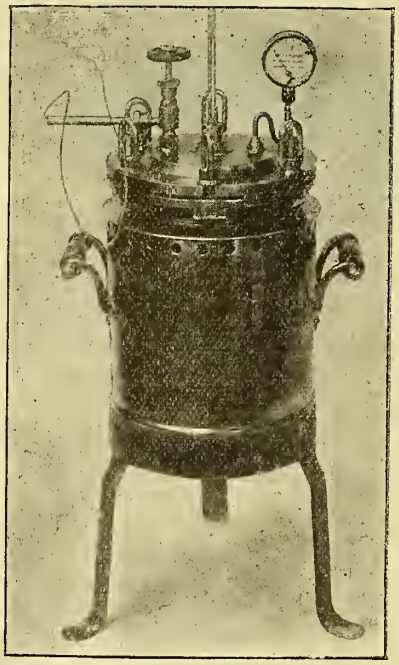


Auto-sprays and Autoclaves.

Of the making of companies there is no end. The one at whose birth I assisted this week (writes our Town Traveller) was made in—Queen Victoria Street. It is at present domiciled at No. 63, and is called the Medico-Hygienic Inventions Company (Limited). The godfathers who gave it that name are Mr. Michael Carteighe, ex-President of the Pharmaceutical Society, who is the chairman of the directors; Mr. Robert W. Greeff, of the chemical-export house at 3 Eastcheap; Mr. Gustave Pertsch, General Director of the Société Chimique des Usines du Rhône at Lyons; and Mr. H. Helbing, analytical chemist, who is perhaps best known to The Chemist and Druggist's readers as the co-author, with Dr. Passmore, of the "Pharmacological Records." Mr. Helbing is the managing director of the new business, and from him I obtained the following information concerning its objects:—

"Our company has a capital of 17,875*l.*, of which 12,500*l.*, in 5*l.* shares, are now offered for public subscription. We are anxious to get our shares taken up by wholesale druggists and pharmacists, for they will be the middlemen between the company and its customers. The company's objects are, in brief, to introduce into the British dominions improvements and new inventions of surgical, chemical, and hygienic interest. We look forward to extend our activity in the future to inventions relating to the arts, electricity, &c., but that part of our sphere of influence is, as yet, a misty Hinterland. Just now we have enough on our hands with the inventions for which we have already secured the British patents. Trillat's autoclave and the auto-spray——"

"Are these the articles you start with?"

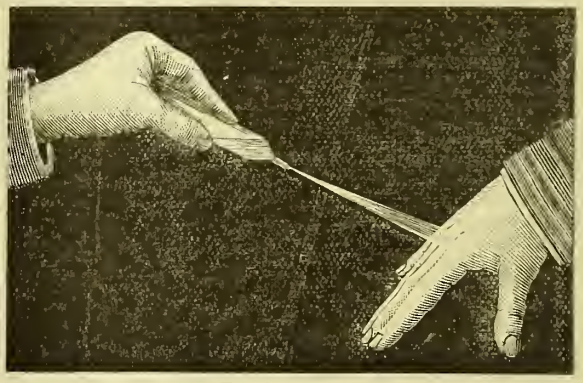


Trillat's Autoclave.

"They are. This is the autoclave used in Trillat's system of disinfecting with formaldehyde vapour, which, you know, possesses high germicidal powers. Before the invention of Trillat's autoclave, however, it was impossible to obtain, in practice, a sufficient volume of formaldehyde for disinfecting purposes, because of the polymerisation which takes place by evaporation of the solution. This alone stood in the way of the use of formaldehyde for aërial disinfection, for the theoretical advantages of formaldehyde were generally recognised. M. Trillat has succeeded in making formaldehyde vapour available as a disinfectant by preparing formaldehyde solutions with water-retaining substances, and heating the mixture in an autoclave up to a pressure of four atmospheres. On opening this valve in the apparatus pure formaldehyde vapour issues in a long jet through a copper tube. You can close a room hermetically, put the tube of the autoclave through the keyhole, and disinfect the place thoroughly, destroying the most tenacious spores known to bacteriology, without injuring any piece of furniture, picture, or metal object. The employment of the Trillat system is rapidly extending in France. The system has been warmly recommended by the Pasteur Institute, and at Marseilles, where quarantine disinfection is now enforced against vessels from India, it has been adopted by the Municipality. We propose to make the autoclaves in England (the one you see here is a London-made article), and to let or sell them to pharmacists and public bodies."

"What about the auto-sprays?"

"The auto-spray," said Mr. Helbing, pointing to a long row of boxes filled with metal-capped tubes containing liquids, "is a genuine novelty in medication. Take this in your hand—so. Now, hold your other hand here—this way."



The Auto-spray.

Mr. Helbing unscrewed the stopper, and a gentle spray of iodoform solution fell on my hand. Then he took a tube of collodion solution and applied a nice strong collodion dressing. "People still use the same forms of external medication—ointments, lotions, gauzes, cotton-wools, dusting-powders—that were used a generation ago. Here we have a distinct advance. With the auto-spray the medical man can apply remedies for local treatment, so as to attain the finest possible division of the medicament, and the most exact means of application. The glass or metal auto-spray tubes are filled with solutions of medicines, such as thymol, ichthyol, iodoform, and iodine, in liquids of low boiling-points. We also intend to sell auto-sprays filled with perfumes, and menthol sprays."

The Town Traveller left the offices of the new company thinking about Mr. Carteighe's new chairmanship, which is understood to be the first position of the kind which that gentleman has ever occupied in connection with a trading company.

Trade-Marks Applied for.

(*From the "Trade Marks Journal," February* 17, 1897.)

"Halberis"; for a tincture prepared for medicinal use by man. By J. T. Hall, trading as Gilbert & Hall, 15 Commercial Road, Bournemouth, chemist and druggist. 197,291.

"Kaloph"; for a medical lotion for the eyes. By G. Emlin & Co., 1 Church Street, St. John's Wood, London, N.W. 199,907.

"Myretta"; for perfumery, toilet-articles, soap, &c. By J. & E. Atkinson (Limited), 24 Old Bond Street, London, W. 200,166.

"Binnacle"; for all goods in Class 48. By the Co-operative Wholesale Society (Limited), 1 Balfson Street, Manchester. 200,670.

Sketch of birds drinking from bowl, with wording on label; for toilet-soap. By the Chemical Union (Limited) Halifax Works, Wherstead Road, Ipswich. 199,981 Essential particular, the device.

Marriages.

Birnie—Roberts.—On February 10, at Aberdeen, by the Rev. H. Adam, B.D., A. S. Birnie, chemist and druggist (Messrs. Macfarlan & Co., Edinburgh), to Isabella, eldest daughter of the late Arthur F. Roberts, shipmaster.

Burch—Beldam.—On January 10 at St. Paul's, Cambridge, Thos. Wm. Burch, chemist, Prestwich, son of Capt. Burch, to Blanche Eugenie Beldam, daughter of the late Robt. Beldam, Cambridge.

Cran—Mollison.—On February 10, at the East Parish Church, Aberdeen, by the Rev. R. H. Fisher, B.D., assisted by the Rev. James Coutts, M.A., Newell B. Cran, chemist and druggist, to Margaret, daughter of the late William Mollison, Aberdeen.

Deaths.

Brown.—On January 8, suddenly at his residence, 40 Oakington Road, St. Peter's Park, W., Mr. Charles Hills Brown, chemist and druggist.

Bourgoin.—The death occurred at Paris on February 10 of Dr. Bourgoin, Deputy in the French Parliament for the Ardennes, at the age of 61. He was born at Saint Cyr, Yonne, in 1836, and was recognised as a leading French pharmacist. He was a pharmacien of the first class, Doctor of Medicine, Doctor of Physical Sciences, and chief pharmacist of the Paris hospitals. In 1877 he was appointed Professor of Galenical Pharmacy at the Paris Superior School of Pharmacy, and, later, Director of the Central Pharmacy of the Paris hospitals. He was elected a member of the Paris Academy of Medicine for the section of pharmacy in 1879. He was the author of a number of works relative to therapeutics, chemistry, and materia medica.

Dr. Bourgoin obtained a good deal of notoriety by his systematic opposition to Pasteur's theories, as well as to his successors at the Institute of the rue Dutot. He also vigorously opposed the introduction of practical laboratory work in the system of "higher studies" teaching. Dr. Bourgoin was an officer of the Legion of Honour. His entry into political life only dates from 1893. The funeral took place on Friday, February 12. Several hundred people assembled at the Pharmacie Centrale des Hopitaux (the quaint old building described in the winter issue of the *C. & D.*). It was in his bedroom there, where he had retired for an afternoon nap, that he was found dead on Wednesday. A detachment of infantry was posted on the quay in front of the building, with their colours and band, to render homage to the deceased Professor as a member of the Legion of Honour, and the strains of a plaintive funeral-march wafted through the gateway. The School of Pharmacy was closed for the day, and just before noon the professors arrived in a group, in their robes of office, preceded by the uniformed attendant, who bore the mace representing the serpent wound round a palm-tree—the arms of the school. Professor Planchon headed the deputation, Professors Moissan and Bourquelot (the latter has been Professor of Galenical Pharmacy at the school since Dr. Bourgoin's entry into political life), followed by Professors Riche, Primier, Berthelot, Leidié, and others. MM. Petit, Grignon, Leger, and the majority of the notable pharmacists of Paris, including M. Rigaud, the newly-elected Pharmacien Deputy. Half-a-dozen members of Parliament, recognisable by the tricolor sash across their breasts, deputations from the Academy and Faculty of Medicine, officials of the *Assistance Publique*, several political men of note, including M. Ch. Dupuy, M. Lépine, prefect of police, &c. The venerable M. Julliard, the Nestor of the Society of Pharmacy, M. Berger, president, and other officials of the Association Amicale des Etudiants en Pharmacie. The *cordons du poèle* were held by MM. Monad and Peyron, of the *Assistance Publique*, Dr. Brouardel, *doyen* of the Faculty of Medicine, Dr. Hervieux, President of the Academy of Medicine, M. Planchon, and a Deputy of the Ardennes, the latter being the parliamentary colleague of the deceased pharmacist. The family and relations preceded the tutorial staff of the School of Pharmacy, and the numerous mourners brought up the rear. A number of magnificent wreaths made the cortége beautiful. After a service in the church of St. Nicholas du Chardonnet (the parish church of the deceased), just the other side of the Boulevard St. Germain, the procession proceeded to the Montparnasse cemetery, where the interment took place. At the grave a number of speeches were made in tribute to the deceased pharmacist and his life and work.

Bradley.—On February 14, Mr. Edwin Silvester Bradley, chemist, of St. John Street, Ashbourne, after a short illness. Mr. Bradley was representative of the Ashbourne Division on the Derbyshire County Council. He was also Chairman of the Ashbourne Board of Guardians, Chairman of the Urban District Council, Chairman of the Directors of the Gas Company, and of the proprietors of the Town Hall Buildings. He was a Governor of the Queen Elizabeth Grammar School, and devoted a good deal of his time in promoting technical education.

Dadley.—On January 13, Mr. Elijah Dadley, chemist and druggist, of Nottingham. Aged 69.

Downie.—On February 9, at his residence, Collingwood House, Tynemouth, Mr. Henry Downie, wholesale druggist, Newcastle-on-Tyne. Mr. Downie had been in business in Newcastle for some fifty years and was a prominent and much-esteemed citizen. He took a lively interest in the philanthropic institutions of the district. With the old Children's Hospital in Hanover Square he particularly identified himself, and was one of the first members of the committee. After the present institution on the Moor Edge had been erected he was at once appointed upon the new committee, and latterly had been made one of the vice-presidents. He was a Conservative and a Churchman. He took an active part, in conjunction with Mr. Joseph Cowen, in bringing Louis Kossuth, Garibaldi, and others of the same spirit to Newcastle, and manifested the warmest feeling for the patriotism of these men. One of his sons, the Rev. F. F. Rudolph Downie, is well-known as an earnest worker among the poor of North Shields.

Lewis.—On January 27, Mr. John Phillip Lewis, chemist and druggist, late of Crawford Street, London. Aged 54.

Martyn.—On February 12, very suddenly, Mr. William Martyn, manager of the United Alkali Company's Works, Hebburn. Aged 37.

Stevenson.—On January 27, Mr. William Stevenson, chemist and druggist, of Todmorden, Lancs. Aged 68.

It was Sir Astley Cooper who first used alum for its healing properties—in other words, as an antiseptic. This was ninety years ago.

GOLD MEDALS 1884-1885-1886-1888.

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"SANITAS" EUCALYPTUS PREPARATIONS.

Kingzett's Sulphur Candles and Sulphugators, Kingzett's Drain Testers, Preserved Peroxide of Hydrogen, Mercuric Bactericide, Eucalyptus Oils.

L. G. B. Corrosive Sublimate, Permanganate of Potash, Carbolic Acid } Soluble Pellets.

"Okol" and "Creocide" Fluids and Powders; Chloride of Zinc; Carbolic Fluids, Powders, Acid, and Soaps; Soluble Carbolated Creosote; Moth Paper; Weed Destroyer, Sheep Dips, &c.

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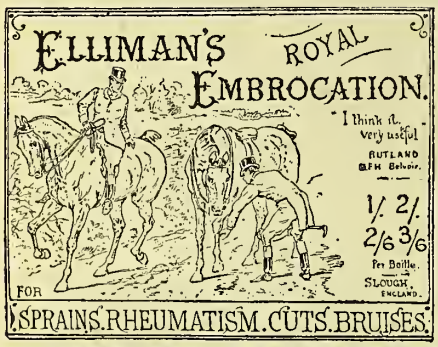
(HOME, FOREIGN, AND COLONIAL.)
Moderate Inclusive Fees.
SEARCHES, REPORTS, DESIGNS.
T. B. BROWNE, Ld., 163, Queen Victoria St., E.C.



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P.B. SEIDLITZ POWDERS.

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4/3 per Gross.

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PERFECTED "GALEN" ELASTIC CAPSULES.

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IN BULK OR BOXES.

Customer's own Name and Address on Labels if desired.

Apply for Samples and Prices before Buying elsewhere.

GALEN WORKS, WILSON ST., NEW CROSS ROAD, S.E.

CONDY'S FLUID.

ELEVEN INJUNCTIONS

With damages and costs, have been obtained against Chemists selling a liquid not manufactured by Condy and Mitchell, Ltd., in execution of orders for "CONDY'S FLUID."

HORLICK'S
MALTED MILK
FOR
Infants & Invalids.
39 Snow Hill, E.C.

"The superiority of SOLEXA to Extracts made soluble by chemical means must be self-evident. You cannot, however, form any adequate idea of the extent of the improvement which has been effected by MESSRS. FLETCHER, FLETCHER & CO. unless you have practically tested the SOLEXA for yourselves. The out-of-date pharmacist does not love innovations. He scorns new ideas."

Editorial Comments

PROSECUTIONS UNDER THE DENTISTS ACT.

The British Dental Association seem to have reopened their campaign. When we protested last summer against the claim which was evidently put forward by the Association's legal representatives to a quasi monopoly, not only in the title "dentist" to which they have a right, but, in fact, to the practice of dentistry if accompanied with any claim of competence, we had a very earnest, but not a very widespread, response. A moderate guarantee fund was promised to us if we would contest in the High Court some suitable

ease which should authoritatively establish the right of chemists to undertake such dental work as it had been the custom of a large proportion of the trade for generations to fulfil, provided that no misleading description indicative of special qualification had been adopted. By the almost unanimous wish of the subscribers to the Guarantee Fund, Mr. John Wyld (Messrs. Keating's), himself one of the largest subscribers to the fund, was associated with the Editor of this journal to act for the other subscribers, and they were authorised to associate with themselves a third gentleman to form a committee. Mr. Glyn-Jones was asked to assist, and he willingly consented to do so. A letter was subsequently sent to the Honorary Secretary of the British Dental Association, asking if that body would be willing to agree with this committee on a case to be submitted for argument to the High Court. This proposal was brought before the executive of the Association, and was politely declined. For the moment all we can do is to ask any chemist who may be threatened by the Dental Association to let us know in good time before the summons comes on for hearing, with the fullest particulars of the alleged offence, for consideration by the committee. It is not likely that, under any circumstances, we should appear for a defendant before magistrates. The modest condition of our Guarantee Fund would not allow us to be at all lavish. But a really suitable case might still be carried to the High Court, so as to get the position of chemists unregistered under the Dentists Act clearly stated in regard to dental operations.

WINTER SPECIALITIES.

IV. The Toothache-remedy.

In the window of a pharmacy in the North of London there is just now a clever bit of advertising. On one side of a showcard is a bottle of toothache-specific, on the other a pair of tooth-forceps, and the card simply says, "Either will do," and, presumably, the advertiser will do either. It is not in the power of all chemists to strictly follow that example by engaging in dental operations, but we presume that no chemist in the country is not alive to the importance of providing a remedy for such outbursts as that by Robert Burns:—

> When fevers burn, or agues freeze us,
> Rheumatics gnaw, or colics squeeze us,
> Our neibour's sympathy can ease us,
> Wi' pitying moan;
> But thee—thou hell o' a' diseases—
> Aye mocks our groan!

That "tearing the nerves wi' bitter pang like racking-engines" draws little sympathy, because it is not a deadly thing. People do not die of toothache, but some commit suicide when they have it. This indifference on the part of the non-inflicted is an excellent proof of how ignorance may shut our eyes to a real defect; for to-day we know that many of the trifling ailments of modern life are traceable to bad teeth. Moreover, bacteriology has taught us that a decayed tooth may give some pathogenic germs that nidus for reproduction which they do not find in a healthy mouth. The ache is a reminder that there is something wrong which should be put right. The teeth are amongst the most sensitive parts of the body, once they have suffered a slight injury. A tooth consists essentially of three parts—(1) the pulp in the centre, which is a bundle of nerve-tissue, (2) the dentine surrounding it, which, though hard, is cellularly continuous with the pulp, and (3) enamel or non-sensitive flint-like covering. Remove the tiniest bit of the enamel by violence or bacterial influence (now recognised to be a common cause of dental decay) and the sensitive dentine becomes exposed and makes its existence felt. Thus we get one kind of toothache—indeed, the most frequent. It is odontalgia, and is an intermittent, shooting pain, brought on by cold air, hot and cold fluids, particles of food in the cavity, and so on. Such toothache is not difficult to cure—aromatic oils, anodynes, phenol, cocaine, and other local anæsthetics relieve it at once, and if the cavity is cleaned out and filled with a temporary or permanent stopping the ache generally departs until the decay gets down to the pulp, which will not happen, however, if the stopping has been skilfully inserted after all unhealthy dentine is removed from the cavity. A few examples of specifics will serve to illustrate the nature of the treatment before stopping can be resorted to:—

Ol. caryoph.	ʒss.
Ac. carbol. liq.	ʒiij.
Liq. cocci	q.s.
Glycerini ad..	℥vj.

M.

Directions.—Dry the hollow tooth by putting a piece of absorbent cotton in it, remove and apply one drop of the cure on cotton-wool.

The main object of drying the hollow of the tooth is to allow the preparation to get into direct contact with the dentine, but it also helps to remove foreign and irritating material. Much-appreciated toothache-specifics are those which form temporary stoppings, and which contain mastic or other substances impenetrable by the saliva. A good example is—

Mastic	ʒss.
Tannin	ʒij.
Camphor	ʒss.
Tincture of myrrh	ʒss.
Chloroform	ʒss.
Tincture of opium	ʒss.
Rectified spirit	℥iij.

Macerate for a week, shaking occasionally, and filter.

Directions.—Dry the hollow of the tooth by stuffing it with absorbent cotton. Remove, and immediately place in the hole a fresh piece of the cotton saturated with the tincture.

The laudanum serves more as a colouring than as an anodyne agent, and it may be replaced by cochinal or tincture of Indian hemp in sufficient quantity to colour. Ordinary carbolic colloid, the formula for which is given in "The Chemists' and Druggists' Diary, 1897, is an excellent remedy for toothache of all kinds. Cocaine applications are not so good in this case as in the toothache arising from exposure of the pulp and inflammation therein. This is sometimes called "primary toothache," a term which ought more properly to be applied to that already described. The pulp-toothache is the most distracting kind. There is a constant gnawing in the member, with occasional darts of pain, and any attempt to take hot food aggravates the agony. Then it is that "Either will do," whereas dentine-toothache does not require the forceps, and it is a shame to use them when a tooth is but slightly decayed. Nor will the conservative dentist remove even a pulp-sensitive tooth if he have good tooth-walls to fill and a reasonable chance of subduing immediate pain and devitalising the pulp. As to the remedy for this kind of toothache. There is some relief in the application of a 5 or 10 per cent. solution of cocaine hydrochlorate, but the relief does not last long. A better application is—

Cocaine (alkaloid)	gr. x.
Extract of Indian hemp	gr. v.
Tincture of aconite	ʒij.
Spirit of chloroform	ʒij.
Tincture of myrrh	ʒij.

Mix and dissolve.

The directions for the foregoing preparations serve for this also, but it is advisable that the sufferer should wash out his mouth with cold water before drying the hollow of the tooth. Such a preparation as the last is equally good for

dentiue-toothache. Other forms of toothache, such as that persistent kind arising from inflammation at the roots, are not amenable to treatment with popular remedies. As to the sale of these preparations, our experience is that the more precious they appear the better their effects are appreciated. A drachm of any of them, in a phial and box with supply of cotton-wool, sells readily at 6*d*. For "penny lines" coloured spt. chloroformi flavoured with cloves or carbolic acid is admirable. It is well to avoid the use of the term "specific," or any recommendation which necessitates a medicine-stamp. Before concluding these notes we may call attention to an admirable little manual which has just been published by Lewis—viz., Dr. A. W. Barrett's "Dental Surgery." It is a veritable *multum in parvo*, and for the 3*s*. 6*d*. which it costs the chemist who invests in it obtains intelligible and interesting information on the teeth generally—the first and second dentitions; abnormalities and irregularities; dental caries, stopping, toothache, and tartar; injuries; preparation of the mouth for artificial teeth, anæsthetics, and extraction. The book is well illustrated and is written "for medical practitioners and students of medicine"—why the author has not added "chemists and druggists" (for whom it is probably best suited) will be understood, but it is not because of recent events, as the book is in its third edition.

LONDON WATER.

The discussion on the paper on "The London Water-supply," communicated to the London Section of the Society of Chemical Industry by Mr. W. J. Dibdin, F.I.C., F.C.S., chemist to the London County Council, on February 1, was resumed and concluded on Monday evening. Mr. Dibdin had in his paper entered very fully into the quality of London water, but there were three outstanding recommendations made by him which are of far-reaching importance—first, that the quality of the suspended matter in the water should be systematically and unintermittently determined, so that imperfect filtration and infinitesimal sewage-contamination, not detectable by chemical means, may be found out biologically and microscopically; second, a municipal check upon the quality of the water similar to what obtains in respect to the gas-supply would be a public advantage; and, third, if the hardness of London water is reduced by softening, it becomes as pure as Welsh water, which has been proposed as a source of a municipal supply.

These are large questions, fraught with the greatest possible economic and technical issues, and it is regrettable that Monday evening's discussion at no time rose to the occasion. This appears to be due to the fact that it was a set debate, left almost entirely in the hands of analysts, none of whom, saving Dr. Samuel Rideal, appeared to be quite free from a spirit of carping criticism as regards the analytical suggestion put forward by Mr. Dibdin; and the fact that this criticism was received with applause sufficiently indicated that those who applauded did not appreciate the real significance of the communication. Dr. Mott, the pathologist, and Mr. Williams, a layman, were the only speakers who seemed to understand that Mr. Dibdin had spoken from a wider platform than the analytical laboratory. Mr. Dibdin replied very fully to his critics, showing that his paper answered most of the points put forward.

We have dealt thus briefly with a long discussion because in no other sense than its length was it worthy of the Society of Chemical Industry. An expression of opinion on the real merits of Mr. Dibdin's recommendations from men able to form an opinion of their economic value through daily technical experience would be of distinct help to the community; but mere analytical hair-splitting is so much waste time and distinct retardation of reform. That improvement can be made is evident from the fact mentioned by Mr. Dibdin that in filtering a thousand gallons of London water direct from the main a residue was left on the filter which, when dried, looked like floor-sweepings, as it consisted of hairs, wool and other fabric fibre, and *débris* of all sorts. Then, as to the softening—which he graphically expressed as meaning the difference between lime at 14*s*. a ton and soap at 20*l*., with this in addition, may we add, that a ton of lime decomposes eight tons of soap—there is no doubt that if only 10 degrees of hardness were removed from the water this would mean a saving of millions a year to London in soap, plumbers' bills, steam-boilers, and coal.

OINTMENTS OF METALLIC OXIDES.

The *Bulletin of Pharmacy* points out that the ointments of oxides of zinc and mercury made with lard undergo change in their consistence, the zinc ointment becoming granular and somewhat tough, and the ointment of oxide of mercury sticky and rancid, because there is interaction of the oxides and lard, metallic oleates being formed. We feel doubtful about this explanation. Will someone investigate the matter?

GO AND DO LIKEWISE.

"The other object of the organisation—the encouragement of pharmaceutical research—might perhaps be better promoted if the funds now devoted to the publication of a *Year-book* were applied as grants in aid of investigation, or in some other way that would operate as an incentive to such work." This is a bit of advice given to the British Pharmaceutical Conference by its medical congener's organ, the *British Medical Journal*. It is too charming a morsel to lie buried in a brief review, so we reprint it.

THE OUTPUT OF PHARMACISTS IN VICTORIA.

The colony of Victoria is at this moment turning out fully-qualified pharmacists at a rate exceeding by one-half that of the average of the Australian colonies and by three times that of the proportionate increase in the population of the colony. This is a very serious matter for Victorian pharmacists; and the worst of it is that the excessive rate of pharmaceutical output is due to the State itself, which grants a heavy annual subsidy to the Melbourne College of Pharmacy. That institution is in the first place a training-school for pharmacists. It is not an institution for the protection or promotion of pharmaceutical interests in the colony. No doubt the over-supply of pharmacists will cease as soon as those who have obtained diplomas discover that there is no fair living to be had in the profession. These things work their own cure. But in the meantime chemists now in business in the colony might well bring pressure to bear upon their Government to cease promoting the over-supply of competitors.

ACETYLENE FROM CALCIUM CARBIDE.

In a paper communicated to the Paris Academy of Sciences Maneuvrier and Fournier state that the acetylene obtained by the action of water upon calcium carbide is by no means pure, only 94 per cent. of it being absorbed by ammoniacal cuprous chloride. They have by purification reduced the foreign ingredients to less than 0·5 per cent. The gas thus obtained was found to have lost its alliaceous odour, held up to the present to be one of its characteristic properties, although still possessing a strong penetrating odour. In connection with the statement regarding the odour, the fact mentioned in this journal two months ago may be recalled, that the odour is frequently that of cyanogen, which always seems to accompany formation of carbides in the air.

IS ACETYLENE PER SE EXPLOSIVE?

A great deal has yet to be done before the gas can finally be considered to be satisfactory, and the best evidence of that is in the number of patents which have been applied for covering methods of manufacture and purification. Amongst the most noticeable of these are the methods devised by R. P. Pictet, of Geneva. He says that the impurities of the gas, as prepared by the action of water on calcium carbide, are ammonia, hydrogen, sulphuretted hydrogen, arseniuretted hydrogen, carburetted hydrogen, and carbon monoxide, but he is not apparently aware of the cyanogen contamination. He, however, makes the curious statement that these impurities are the cause of the acetylene attacking copper and other metals and forming compounds which are dangerous and sometimes detonating, and they also render the acetylene flame less luminous. We should be only too happy to accept this view of the matter; but we cannot overlook Dr. Plimpton's investigations on the metallic carbides or acetylenates, all the statements of text-books, and the serious explosions which have occurred with pure acetylene and its compounds. It is, perhaps, too much to expect an explanation in a patent-specification, but that does not prevent investigation in the matter.

PAN-AMERICAN PHARMACOPŒIA.

As already reported in this journal, the Pan-American Congress, which met in Mexico last November, appointed a committee to arrange the further details for a Pan-American Pharmacopœia. This does not meet with the approval of the *Canadian Pharmaceutical Journal*, which, with some force, says that the classes of preparations prescribed by physicians and dispensed by pharmacists in North America, are entirely distinct from those used in Mexico and the southern continent, and it would be exceedingly difficult to reconcile the two divisions, so the *Journal* suggests "two Pharmacopœias, one for the northern, including the United States and Canada, and the other for Mexico, Central and South America." Our contemporary does not show much affection for the British Pharmacopœia, because the United States Pharmacopœia is better adapted to Canadian requirements than is the Britisb.

NO RIVAL TO THE KANGAROO.

The Victorian Government, poor tbings, have issued a ukase against the jumping-bean. It contains a larva, they say, and of course they are right, which, after it ceases to amuse the curious by jumping with its shell, will escape as a live fly. Under the warm sun of the South its thoughts will tend lovewards, and it will wander about till it meets another of its kind, and in a few years there may be a pest to which rabbits and sparrows are a mere nothing. So, say the Government, beware of jumping-beans.

VIAVI.

The Oxford Street premises in which C. B. Harness used to do a great business in Electropathic Belts are now occupied by the British Viavi Company, which sells several specialities for sexual and similar disorders. The *Medical Times* is much concerned about the matter. One of the specialities is a cerate, which "brings the impurities from the body through the skin, causing little eruptions." This, says the *Medical Times*, "proves on rough analysis to consist of red oxide of mercury ointment, with vaseline, beeswax, and otto of roses." "Is it not possible for the Apothecaries' Society or the Pharmaceutical Society to take this up, with the view of putting the company down?" is our paraphrase of the *M. T.'s* summing up.

FOR CHILBLAINS Dr. Forbes Ross recommends (*Lancet* page 425) the application of the secondary current of the faradaic battery.

"Truth" on the Societies.

THE following are *Truth's* comments on the dispute between the Pharmaceutical Societies of Great Britain and of Ireland:—

A dispute, highly amusing to onlookers, has been raging between the Pharmaceutical Society of Ireland and that of Great Britain over a harmless little paragraph which appeared in *Truth* in October last. The paragraph had reference to the case of an Irish chemist who had been pulled up by the British Pharmaceutical Society for selling pills and draughts on this side of St. George's Channel. Being anxious to learn more as to the reasons for the "separate entity" of Ireland from a pharmaceutical point of view, I sent round to the office of the British Society, where I was informed that the Irish qualification was not considered good enough for Great Britain. It is the publication of this information in *Truth* which has set the two Societies by the ears. Here is a free *précis* of the correspondence which ensued:—

1. *Dublin to London:* Is this paragraph correct?
2. *London to Dublin:* As far as I am aware, incorrect.
3. *Dublin to London:* Reply not satisfactory. Did any one on your premises make alleged statement?
4. *London to Dublin:* Regret our reply is deemed unsatisfactory. Desire to promote fraternal spirit between persons following same honourable calling and speaking same language. Further discussion may tend to disturb amicable relations.
5. *Dublin to London:* Reciprocate noble sentiments, but would like to have question answered.
6. *London to Dublin:* Of course. Pray lay answer before your Council.

It will be seen that the fighting is mostly on the side of the Irish Society, while the British pharmacists rely on the soft answer which turneth away wrath. As they so studiously avoid coming to the point, the general assertion that the *Truth* paragraph was not accurate does not merit much notice; but I may say that the paragraph was absolutely accurate, that it represents faithfully what my representative was told, and that my representative was a gentleman thoroughly conversant with the bearings of the subject about which he went to inquire. I say this because I see that the *Pharmaceutical Journal*, which appears to have been put up to shield the Pharmaceutical Society, has published some further remarks on the subject, under the heading "The Untruthful Statement in *Truth*." As for the main point at issue, the Irish Pharmaceutical Society send me particulars of their examinations and qualification, with a view of showing that their examination holds "an intermediate position between the British 'Chemist and Druggist' and 'Pharmaceutical Chemist Examinations,' the latter being superior only as a scientific, not as a practical, examination." I dare say that they are right, but unless the British Society is prepared to publicly maintain the opinion that its tests are higher (which it seems very reluctant to do at present), the matter seems hardly worth arguing. If the British Society does not hold that view, then we come back to the original question, why should not the Irish qualification be good for Great Britain?

MRS. O'HALIGAN: "Shure, Mrs. Murphy, if yer husband is in such pain, whoi don't yez put a hot-water bag on his stomach?" Mrs. Murphy: "Bedad, the doctor says Pat can't kape anything on his stomach but milk." Mrs. O'Haligan: "Faith, thin, put milk in the bag."

FESTIVITIES.—The Drug Department of the Junior Army and Navy Stores held their tenth annual dinner at the Horse Shoe Hotel, Tottenham Court Road, on Wednesday evening. Mr John Fuller, the manager of the department, was in the chair; and the Chandos Glee Singers, who introduced a patent-medicine song, and Mr. Shrympton's high-class elocution were features of the evening. We are informed that fifty couples were present at the North of England School of Pharmacy's Ball at Newcastle last week; our report said fifty persons

C

Legal Reports.

THE HUNYADI-WATER TITLE.

In the Chancery Division of the High Court of Justice, on Tuesday last, Mr. Justice Kekewich commenced the hearing of an action by Mrs. Saxlehner, widow of Mr. Andreas Saxlehner, of Buda Pest, to restrain the Apollinaris Company (Limited), their officers, servants, and agents from passing off, or enabling or assisting others to pass off, any Hungarian bitter-water, not being "Hunyadi Janos" water derived from the plaintiff's bitter-water spring near Buda Pest, as and for Hunyadi Janos water, whether by means of the name or description under which the same is offered for sale or by the marks or insignia under which it is sold or offered; and from selling or offering, exposing or advertising such water without clearly distinguishing the same from the plaintiff's water. Plaintiff also asked for the delivery up of all labels and other documents, and for damages or an account, and for costs.

Mr. Warmington, Q.C., and Mr. W. Neville, Q.C. (with them Mr. Sebastian), were counsel for the plaintiff; and the defendants were represented by Sir Frank Lockwood, Q.C., Mr. Warrington, Q.C., and Mr. John Cutler.

Tuesday's Proceedings.

In opening the plaintiff's case, which occupied him the whole day, Mr. Warmington first briefly indicated its nature, explaining that it was an ordinary action for passing off, and adding that it would be necessary to go somewhat into detail, because he thought it would transpire that ten years ago defendants must have had in their minds a scheme which they completed on March 25 last. The plaintiff in the action was the widow of the successor in title to Andreas Saxlehner, who died in 1889. In 1863 he became the purchaser of a property near Buda Pest. At that time there was no connection between the property and the name Hunyadi Janos, but it contained a spring of water which had not till then been made an article of commerce. Shortly after his acquisition of the property Mr. Saxlehner sank wells in it, and founded a business which had since become world-wide. For the purpose of identifying his trade, he called the spring and the water from it Hunyadi Janos, after John Hunyadi, a Hungarian hero who flourished in the fifteenth century. Saxlehner's business was started in 1863, and in 1869 or 1870 he introduced the water into England through commission agents and persons who imported it from Buda Pest, and by advertisements and pamphlets it was then widely made known, and had fourteen or fifteen depôts in the United Kingdom, one in Scotland, and several in Ireland. Thus, shortly after 1870, the name Hunyadi Janos had in the minds of the British public become associated with the spring of the plaintiff and its water. At that time a trade-mark had been registered, having in the centre the portrait and name of Hunyadi Janos, and connected with Andreas Saxlehner. So matters stood until 1875, up till which time he (the learned counsel) thought it was common ground. No water from the plaintiff's spring had been sold in England, except under the name of Hunyadi Janos. In 1875 Mr. Steinkopf, who was one of the founders and half-owner of the Apollinaris Company, entered into negotiations with Mr. Saxlehner, with the view of that company becoming the sole importers into this country of the Hunyadi Janos water. The company was established, he thought, in 1873, and of the usual seven people necessary to form it, it included, as its shareholders, Mr. Geo. Smith, as the holder of 1,997 shares out of a total of 4,000, and Mr. Steinkopf as holding 1,998 shares, leaving only five shares to complete the number necessary for the registration of the company. The negotiations between Mr. Saxlehner and Steinkopf resulted in an agreement granting the company the exclusive sale of Hunyadi Janos water in Great Britain and the colonies, except Smyrna, for a term of ten years, and this term was extended and power given to the company to determine the agreement on twelve months' notice, which notice they gave in March, 1875, determining the arrangement in March, 1876. Counsel quoted from this agreement several stipulations, which he submitted were designed to identify and preserve the exclusive right of Mr. Saxlehner to the name in his water, and in order to show the bearing of these provisions, as well on the present action as also on an action similar to the present, which was brought before Mr. Justice Stirling. On June 2, 1876, the Apollinaris Company registered two trade-marks, numbered 6,356 and 6,357, which counsel said were a reproduction, with slight variations, of the original mark of Mr. Saxlehner, the term "Hunyadi Janos" being introduced four times in the mark, which plaintiff said was wrongly registered, and, in addition to the use of the label, there was a cork, the capsule on which contained a bust of the hero and the words, "Hunyadi Janos." In September, 1876, the Apollinaris Company registered a new trade-mark, consisting of the words "Hunyadi Janos" only, and numbered 9,026. It was common ground that the Apollinaris Company spent immense sums in pushing the sale of this water as Hunyadi Janos. Certain persons endeavouring to import Hungarian water into this country under a name similar to that under which the Apollinaris Company were selling, that company, quite properly took proceedings to stop the sale, in January, 1885, bringing, amongst others, an action against the Anglo-Hungarian Mineral-water Company (Limited). These proceedings were of some importance in the present action, as showing the view the Apollinaris Company at the time took with regard to the plaintiff's water, In particular he called attention to, and quoted from, an affidavit filed in the case in January, 1885, by Mr. Julius Charles Prince, the then secretary, and since, he understood, managing director, of the Apollinaris Company, to the effect that the water known as Hunyadi Janos was a natural mineral water, obtained from certain springs in Hungary belonging to Andreas Saxlehner, who applied to it the name by which it had since been known, and it was the only mineral water known by that name, which water they (the company) had the exclusive right to sell in England under the agreement he (the learned counsel) had already detailed. The name (the deponent added) was a fancy name, as applied to the mineral water sold by the plaintiff, and was frequently spoken of as "Janos" water. That (continued Mr. Warmington) was exactly the plaintiff's case in the present action. In the action to which he was referring an injunction was obtained by the Apollinaris Company; and though it was true that in consequence of the profits being small no damages were awarded, 50*l.* was ordered to be paid for costs. All this placed in a strong light the case for the plaintiff in the present action, and showed that the term "Hunyadi Janos," and each of those words separately, were and had been used exclusively for the purpose of describing the water of Mr. Saxlehner from his spring. The gist of the case for the defendants in that case was that they had added to another word in their mark the word "Janos." This, to which such strong objection was then taken by Mr. Prince, was obviously nothing like so strong as in the present case, "Hunyadi Janos." Having called attention to some further litigation in 1887, and again in 1890, in which latter year it came before the (English) Court of Appeal, and pointed out that down to 1887 no other water than Saxlehner's was entitled to be called Hunyadi Janos, he next referred to the Friedrichshall case of 1887, which, he said, he understood was still pending, and added that in 1888 the defendants registered what was known as the Red Diamond mark, which they put on a water not a Hungarian bitter water at all. At the end of 1887, or the beginning of 1888, Mr. Steinkopf went to Buda Pest and bought a piece of ground in which were situated the Racocksy springs, not for his own benefit, but for that of the Apollinaris Company, as was shown in the proceedings in an action brought against them in the court of Mr. Justice Stirling. This purchase resulted in proceedings by the plaintiff in Hungary, where the trade-mark law was much on the lines of our own, to expunge various trade-marks, including one of "Uj Hunyadi," registered in Buda Pest by Mr. Steinkopf; and in the end it was held that no one, save the plaintiff, could sell in Hungary any mineral water under the name of Hunyadi Janos. An amending Act having been passed in that country in 1895, cancelling the provisions of the previous Act on trade-marks consisting of words or names, Messrs. Prince and Steinkopf registered the Uj Hunyadi Company in Hungary, in which Mr. Prince held 1,194 out of its 2,000 shares, and they also registered there a trade-mark, the words Uj Hunyadi being the chief feature both in the company and the trade-mark. A similar company was like-

wise registered in England. Against these marks the plaintiff took proceedings, and in May, 1893, judgment was given cancelling them. Meantime, defendants had given plaintiff notice to determine the agreement between them, and while it was still current—viz., in November, 1895—they advertised in The Chemist and Druggist that they had given this notice to terminate, and had arranged to supply, after its termination, a different water, drawn from a spring in the neighbourhood of Buda Pest, called the Uj Hunyadi spring. No order for such water, it was added, could be executed before that date, and the water would bear the trade-mark "Apenta," which, it was said, was the trade-mark of the proprietor of the spring. As a matter of fact, the learned counsel observed, there were at that date (November, 1895) no springs known to exist called Uj Hunyadi, and he suggested that the introduction of this name was done for the purpose of identifying the water with the plaintiff's title; otherwise, where was the need of bringing in such a description in connection with "Apenta"? Quoting from other advertisements, which the defendants had also issued in this connection, the learned counsel said there was no "neighbourhood," as these advertisements alleged, "in Buda Pest known under the generic name of Hunyadi." He also referred to certain official proceedings which the defendants, as the Uj Hunyadi Company, had taken in Hungary to open up new springs, and said they had likewise tried to get a Uj Hunyadi trade-mark registered, but it had been refused, and the case was then carried by the company to the Minister of Commerce. In conclusion, the learned counsel quoted several reported cases in aid of his submission that plaintiff was entitled to the injunction asked for, and, turning to the pleadings, was reading them, in order to indicate the precise nature of the plaintiff's claim; when

Sir Frank Lockwood asked that his learned friend should read a letter which defendants sent to the plaintiff on January 27 this year.

Mr. Warmington consenting, it transpired that defendants had thus intimated that after the recent decision in Hungary they intended to withdraw the use of the word "Hunyadi" from their labels.

Mr. Justice Kekewich: After that offer is there anything more for me to decide than a mere question of costs?

Mr. Warmington said he did not think, with submission, that merely withdrawing the word would give full satisfaction to the plaintiff's claim, though he would concede that the most objectionable part would thus be taken out. The plaintiff surely had a right to an injunction, and also an account of profits, which he understood would be considerable.

At this stage the Court adjourned for the day.

Wednesday's Proceedings.

On Wednesday evidence was taken in support of the plaintiff's case, Mr. Neville, Q.C., placing in the box Mr. Louis Ritcher, the Buda Pest business manager of the plaintiff, and, before her, of her husband, to show that it was a large and increasing business, and that down to 1865 there was no other Hungarian bitter water sold under the name of Hunyadi Janos than that of the plaintiff's, though later on waters were sold under other names, but eventually these were struck off as regarded Hungary, leaving plaintiff the sole right to sell in that country. Mrs. Saxlehner, he added, had succeeded in confiscating various quantities of water, and also bottles and capsules alleged to be in the infringement of her rights. He also spoke to the purchase of springs which Mr. Steinkopf bought, and said he understood the defendants sell seven or eight different waters under as many names and labels. He was followed by Mr. M. Carteighe, ex-President, and Mr. Walter Hills, President of the Pharmaceutical Society of Great Britain, and Mr. J. J. Snook (Willcox & Co.), who testified to their sales of Saxlehner's Hunyadi Janos water and to the probability of the defendants' water misleading the public. Mr. Snook was cross-examined by Sir F. Lockwood as to his importations of Hunyadi Janos water from the Continent. He said he never got any from Saxlehner's, though he tried to do so. They had always tried to prevent his getting it. Mr. Philip Darvai, a doctor of laws, member of the Chamber of Advocates in Hungary, and on the committee for the examination of lawyers in that country, was heard at great length on the practice in that country with reference to the registry and licensing of trade-marks.

Mr. Henry Hillier, manager of Allen & Hanburys, was also heard as to his knowing no other "Hunyadi" water on the market than the plaintiff's, and that calling other Hungarian waters by that name would be calculated to mislead people into believing them to be Saxlehner's. The evidence was not concluded when the case was adjourned for the day.

Thursday's Proceedings.

The greater part of Thursday was spent in continuing the hearing of witnesses for the plaintiff. These included Mr. Charles J. Rees, of Gray's Inn Road, London; from Liverpool, Messrs. T. F. Abraham, T. Hudson, and John Thompson; with Robert McAdam, managing partner, Glasgow Apothecaries Company; Adam Gibson, wholesale chemist, Edinburgh; and from Dublin, Augustus W. Orr, chemist and managing director; Thompson (Thacker & Hoffe), and Saml. Parker Boyd (Boyd & Boyd). This evidence was to prove that "Apenta" might be passed off and accepted by unwary persons as the water ("Hunyadi Janos") previously sold by the Apollinaris Company, and was followed by Mr. H. D. Skinner, secretary, detailing his journeys to a number of towns, making 127 visits in all, and buying at various chemists' shops, which he detailed, a number of bottles of "Apenta," which were proffered to him in answer to his request for "Hunyadi," water or "Hunyadi Janos" water. These towns included Sheffield, Leeds, Edinburgh, Glasgow, Aberdeen, Dundee, Manchester, and Greenwich, and (summarising the results) in thirteen instances he bought "Apenta," which was proffered as a substitute for what he asked for, sometimes as "a new water from the same spring," and "precisely the same thing"; whilst others, on his asking for "Hunyadi," would say "Do you mean 'Apenta'?" and he said "Yes"; others that it was "not the same water ('Hunyadi Janos'), but it came from the same spring, and was of the same sort"; and yet others that it was "the same thing under a different name, and made by the same people." In cross-examination by Sir Frank Lockwood, he admitted that his instructions, received from the solicitors to the plaintiff, were to ask for "Hunyadi" and to get "Apenta."

Sir Frank Lockwood said he hoped witness was not paid by results, and he said "No; he got his travelling expenses."

The learned counsel further elicited from the witness a list of the towns he visited and the number of shops in each, these including, besides those already named, Cambridge, Bedford, Nottingham, Leicester, Northampton, Woolwich, and Carlisle.

The learned judge intimating that he did not require more evidence of that class,

Mr. Neville summed up the plaintiff's case, and Sir Frank Lockwood, speaking for an hour and a half, opened the defendants' case, especially repudiating the idea that they had acted fraudulently. They had spent 39,000*l.* in advertising and increasing Saxlehner's business; given 400,000fl. for springs at Buda Pest, and contested in America a number of claims to sell "Hunyadi" water, offering the plaintiff to share in the effort to retain his supremacy; and when the alteration in the Hungarian law reversed the previous condition of things, they communicated to plaintiff their intention of no longer using the word "Hunyadi."

At the close of his speech the case was adjourned till Tuesday next, Mr. Prince, one of the directors of the defendant company, being placed in the box just as the Court was rising, generally to give evidence in support of their case.

DEBENTURE-HOLDER'S ACTION.

Re the Continental Oxygen Company (Limited), in an action against it by one Elias, a debenture-holder, sueing on behalf of himself and other debenture-holders, Mr. Justice Kekewich, in his Chancery Court, on Thursday last delivered a deferred judgment on an application to him to make a foreclosure-order in respect to certain foreign patents and fully-paid shares in the company. The first question, he said, was whether he could make the order as asked with reference to such property, seeing that it had never been vested in the

debenture-holders or anyone in trust for them. Besides that, there was at least one debenture-holder who did not appear in this case. In none of the decided cases which had been cited to him in these proceedings had it been held that, in such circumstances as were raised in this case, such an application could be granted; and he did not see his way clear to making the order as asked. He would, however, he said, in answer to Mr. Wheeler, counsel for the plaintiff, consider any reasonable proposal or suggestion that might be made to him in Chambers. Meantime he thought he had better direct the property to be sold under the direction of a Judge in Chambers.

A. J. WHITE (LIMITED) *v.* SCOTT & BOWNE.

Further evidence in this suit, in which libel and conspiracy against Messrs. Scott & Bowne and certain of the Food Commissioners of the State of Ohio are alleged, was taken at Cincinnati on January 22. Professor C. T. P. Fennell, of the Cincinnati College of Pharmacy, said his analysis of the first sample of Paskola showed no ferment present. Afterwards he found pepsin. His theory was that the composition of the product was varied after the report had been made to the Commissioners. Mr. Louis Schmitt, an analytical chemist, of Cincinnati, said he had tested the same samples as Mr. Fennell and had found ferments. He had been told by one of White's employés that the ferment in Paskola was bromoline. He did not know what bromoline was. Dr. Culbertson, editor of the *Cincinnati Lancet Clinic*, testified to having sold to Messrs. Scott & Bowne 150,000 copies of an issue of his journal containing an article alleging that Paskola was merely glucose with a little hydrochloric acid and a trace of sulphurous acid. He received $3,000 for these.

A FALSE HOOD.

At the Quarter Sessions, Preston, on Monday, Henry Wardle, aged 75, herbalist, was indicted for obtaining by means of false pretences three sums of 1*s.* from persons at Oswaldwistle, by selling a decoction of his own and representing it to be Hood's sarsaparilla. Mr. Mellor prosecuted, Mr. Ferguson watched the case on behalf of Messrs. Hood, and Mr. McKeand defended. Prisoner appeared in the dock carrying a tall silk hat and wearing a frock coat.

According to the prosecution, prisoner was in Oswaldtwistle on the morning of December 21, when he saw a youth named Wm. Armstrong in the street. He was suffering from rheumatism, and prisoner said to him, "My lad, you are not so well." He then went on to state that he was an agent for Hood's sarsaparilla, which was a mixture that would cure anything. For rheumatism it was particularly good. The lad's father was a police-sergeant, and prisoner, going to him, repeated that he was an agent for Hood's, and that he was selling their sarsaparilla, but that as it was Christmas week he was selling 2*s.* 9*d.* bottles for 1*s.* Assuring the officer that the stuff would cure his son's rheumatism, prisoner succeeded in disposing of a bottle for 1*s.* The mixture, however, made the youth ill, and one dose upset the officer. Subsequent to his disposal of the bottle prisoner asked a woman named Willan if she had one of Hood's almanacs. Answered in the affirmative, prisoner said, "Oh, it's all right. I don't wish to see it. I am an agent for Hood's, and I only wish to see if the men are doing their duty in distributing the almanacs." He made the same representation as in the previous case. Willan's mother appeared upon the scene, and prisoner commenced to jig and cut capers all over the floor, saying, "I am 75 years of age, and if you will take Hood's sarsaparilla you will soon be as lively as I am." Believing that the mixture really was what it was represented to be, the woman invested her shilling. The mixture did her no good, and, acting on the advice of her daughter, the unfortunate woman took a larger dose, and was made ill as a result. The stuff, on being analysed, was found to be only bitter aloes and something else. There was a third charge against the prisoner.

Before the case for the prosecution had concluded, the plea of not guilty was withdrawn, and one of guilty substituted.

Prisoner was sent to gaol for two months with hard labour.

THE DENTISTS ACT.

At Blackpool, on February 15, Oliver L. Jackson, chemist, Church Street, was summoned in two instances for infringement of the Dentists Act. Mr. R. W. Turner, barrister, London, prosecuted on behalf of the British Dental Association.

William F. T. Brown, clerk in the employ of the London solicitors to the British Dental Association, said that on February 4 he visited defendant's premises, but before entering he took various notes. From the verandah was hanging a sign, "About the teeth consult Oliver Jackson; over 2,000 living testimonials." In the window was a printed paper, "Single sets from 21*s.*, complete sets 42*s.*; consult Oliver Jackson, chemist's shop, opposite Post Office, Blackpool." In the shop was a sign, "High-class dentistry in all its branches," and this could be seen from the street. Upon the door leading to an adjoining room there was printed, "Dental consulting-room." Witness then entered the shop and informed Mr. Jackson that what he was doing was an offence against the law. Jackson had no idea he was doing wrong. After other evidence,

Mr. Fletcher, for the defendant, said there had been no offence. Anyone could practise dentistry; that was to say, they could draw teeth, sell teeth, and manufacture them. They could charge for their work, but could not recover in the court.

The Bench retired, and on returning defendant was fined 40*s.* and costs in the first case, and 5*s.* and costs in the second case. Advocate's fee of 1*l.* 1*s.* was allowed in one case.

COUNTY COURT CASES.

Suing a Doctor.

In the City of London Court, on February 10, before Mr. Julian Robins, Deputy-Judge, Messrs. Corbyn, Stacey & Co., wholesale druggists, 22 Great St. Helen's, E.C., sought to have Mr. Francis Dean, surgeon, 203 Blackfriars Road, committed for non-payment of 1*l.*, due for drugs supplied. Evidence was given that the defendant had a large practice, paying 60*l.* a year rent for his premises. The Deputy-Judge ordered the defendant's committal for ten days, suspending the operation of the order for a month.

Silver Alive.

At the Croydon County Court this week, John Silver, of Parson's Mead, Croydon, described as the proprietor of "Silver's pills," was sued by A. Bridgman & Co. (Limited), box-makers, of City Road, London, E.C., for 13*l.* 3*s.* 2*d.* for goods supplied in 1892. Mr. Silver had for some years disappeared, but as his clothes were found on London Bridge it was conjectured that he had committed suicide. Recently, however, the plaintiffs saw in the newspapers that he was an active agent in connection with the "Croydon Vigilants," a society for watching public-houses, and found that this was the same man. Silver offered to pay 2*l.* 3*s.* 2*d.* down and 10*s.* a month, but plaintiffs asking for an immediate order, their application was acceded to.

SALE OF FOOD AND DRUGS ACT.

Olive Oil.

Mr. John Bryan, chemist and druggist, was summoned at the Rochester Petty Sessions, on February 12, for selling olive oil at his branch establishment, Ordnance Place, which the county analyst (Mr. Adams, Maidstone) certified to contain 50 per cent. of cottonseed oil, and spirit of nitrous ether which was certified to contain only 0·85 per cent. of nitrous ether. This was labelled "sweet spirit of nitre." Some beeswax was bought at the same time and found pure, and other drugs bought previously had also been found pure. The Magistrates dismissed the summons in respect of the nitrous ether, but for the adulterated olive oil they imposed a fine of 20*s.* and 10*s.* cost.

SLANDER ACTION BY A CHEMIST'S WIFE.

In the Queen's Bench Division, before Mr. Justice Hawkins and a special jury, on Monday and Tuesday this week, an

action was tried in which Mrs. Emma Harley, wife of a chemist in Graham Road, Dalston, claimed damages from Mrs. Harley, mother of her husband.

Mr. Ruegg, Q.C., in stating the plaintiff's case, said the story of her life was to some extent one of shame. She was at an early age betrayed under a promise of marriage. Later she lived with a man as his mistress, and in 1893 Mr. Harley met her and ultimately married her. The husband soon began to treat her unkindly, and a deed of separation was signed. Plaintiff was then anxious to reform, and became acquainted with a Mr. and Mrs. Bennett, who left her in charge of their house when they were away. On November 22, 1895, the defendant uttered to Mr. Bennett the slander complained of. She stated that the plaintiff was a bad woman; had had two children; and had kept a house of ill fame. This last allegation the plaintiff denied.

Mr. Carson, Q.C., for the defence, said it was not till the plaintiff went about trying to assert that there was something wrong in what Mr. Harley had done that the defendant spoke to Mr. Bennett. After the deed of separation the plaintiff said she would do her best to ruin her husband, and she went about telling people who knew him what her own character was. Evidence was adduced for the defence in support of this statement and in justification of the words uttered. Ultimately the jury found a verdict for the plaintiff, damages one farthing. His Lordship said he would take time to consider the question of costs.

CHARGE AGAINST A WHOLESALE-DRUGGIST'S ASSISTANT.

Alfred Williams, 45, described as a chemist, living at 195 Seven Sisters Road, Holloway, was charged at the Guildhall Police Court, on Thursday, with stealing a gallon-bottle of glycerine, two bottles of camphor-flowers, a 12-oz. bottle of dialysed iron, and a quantity of postal-wrappers, belonging to his employer, Mr. William Cordy Herring, manufacturing-chemist, 40 Aldersgate Street. Detective Wilson stated that, in consequence of instructions received from Sergeant Dowse, he went to Seven Sisters Road, Holloway, where he saw a carman in the employ of the prosecutor, who handed him the parcel produced containing the goods prisoner was charged with stealing. The carman said he was going to take the parcel to the residence of accused. Frederick Smith, the carman, deposed that the prisoner gave him this parcel to put in the van. He had invoices for all the parcels except this one. The prosecutor stated that prisoner was a chemist, and had charge of the laboratory. He had access to the whole of the premises, and all the men were under him. He knew the accused kept a chemist's shop at 195 Seven Sisters Road. He had no right to take the things that had been produced in Court. One of his assistants informed him that he (prosecutor) was being extensively robbed, and he felt compelled to take these proceedings. He was at present unable to state to what extent he had been robbed. Mr. Alderman Alliston remanded the accused.

Personalities.

Mr. Albert M. Todd, the well-known peppermint-oil distiller, of Kalamazoo, Mich., has been elected to the U.S.A. Congress

Mr. Bertram Straus, who is contesting the vacant London County Council seat for West Marylebone as a Progressive, is a partner in the firm of Hale & Sons, drug-brokers, of Fenchurch Avenue, E.C. Mr. Straus contested the Parliamentary seat of the same division as a Home-rule Liberal at the general election of 1894, but was defeated. He has now a majority of about 40 to overcome.

The late Mr. C. H. Southwell, of Boston, pharmaceutical chemist, and public analyst for the Holland Division of Lincolnshire, served his apprenticeship in the shop of Messrs. Butler & Crispe, Cheapside, London. After an engagement with a London doctor, he went as assistant to Dover, and was subsequently manager of Messrs. Wyley's laboratory at Coventry. He bought a business in his native town, Boston, but made several moves in that town. He was District Analyst under the Fertilisers and Feeding-stuffs Act, as well as under the Sale of Food and Drugs Act.

Bankruptcies and Failures.

Re Ebenezer Bowen, Pontardulais, Chemist.

The above debtor has attended for his adjourned public examination at the Carmarthen Bankruptcy Court, before Mr. Registrar Parkinson. The gross liabilities amounted to 1,238*l.* 17*s.* 11*d.*, and assets, after deducting 54*s.* 12*s.* preferential claims, 211*l.* 11*s.* 2*d.* The examination was declared closed.

Re James Taylor, 5 Prospect Road, Cowes, Isle of Wight, Dealer in Patent-medicines.

The Official Receiver of the Isle of Wight Bankruptcy Court has issued a statement respecting the realisation of this estate in bankruptcy. After meeting preferential claims and satisfying the costs of the proceedings, there is a balance available for the payment of a first and final dividend of 8*s.* in the pound.

Re J. Lyle, Invicta Works, Crystal Palace Road, East Dulwich, late of Paisley, Experimenting Chemist.

This bankrupt attended at the London Bankruptcy Court on February 12 before Mr. Registrar Brougham and was allowed to pass his public examination upon accounts showing debts 366*l.*, and assets nil. Under examination by Mr. Hough, Official Receiver, he stated that he had formerly traded at Paisley, where sequestration proceedings were taken against him. He had invented and patented a mechanical retort for distilling vinegar, methyl alcohol, tar, and charcoal from sawdust. He had fitted up a part of the Invicta Works with a view to the preparation and manufacture of a lime-juice cordial. To the expenses of perfecting and developing those inventions, and to his liability on accommodation bills, he attributed his present insolvency. The examination was concluded.

Re Henry M. Caldwell, late of Sydney, N.S.W., Manufacturing Chemist.

A further meeting of the creditors interested in this failure was held last Monday at the London Bankruptcy Court, before Mr. Hough, Official Receiver, when resolutions were passed for the Official Receiver to administer the estate in bankruptcy. The debtor formerly carried on business at Sydney as a manufacturing chemist, and in 1888 he sold it to the Catlanah Chemical Works (Limited) for 25,000*l.* in shares, which he afterwards returned to the company for a cash-payment of 2,000*l.* He then became interested in a hydro-oxygen gas company at Sydney, and became entitled to one-third of the profits, in consideration of financing the company to the extent of 1,000*l.* Being furnished with a power of attorney he subsequently came to England to secure certain patent-rights for the company, and to dispose of the foreign and other rights in the patent. He took premises at 11 Salisbury Square, E.C., for offices and workshops, and carried on business for the company until February, 1894, when the power of attorney was cancelled. He had then expended 14,000*l.* on the company's behalf, and against that he had received certain shares which he had deposited with his solicitors to secure their costs. An action was entered by the debtor against the company for the recovery of 14,000*l.*, and was pending when the debtor was brought to the court on a creditor's petition in January, 1895. The proceedings had been adjourned from time to time to enable a settlement to be effected, the company having made certain proposals with that view. It appeared that no definite offer had yet been submitted, and the Official Receiver declined to hold over the meeting any longer, stating that such a step would not interfere with the consideration of the offer when formulated and lodged.

Re M. R. Jones, 38 Alfred Place, W., Manager.

A meeting of creditors under this failure was held at the London Bankruptcy Court on February 12, before Mr. H. Brougham, Official Receiver.

The debtor came from New York in November, 1894, and has, since the following January, been engaged as the manager of a digestive ferment business carried on under the name of the Peptenzyne Company. That business had been carried on in the United States for two or three years previously. He received the contract from Mr. Carrick, of New York, to introduce the business to this country, and having no capital of his own he sold the contract in January, 1895, for 200*l.*, the purchaser engaging him as manager at a salary of 12*l.*, subsequently reduced to 8*l.*, per week. He attributes his failure to liability on a bill for 155*l.* that he accepted in January, 1896, for the accommodation of another person who has been unable to meet it. The accounts show unsecured debts 163*l.*, a contingent liability of 100,000*l.*, and assets "nil." The contingent liability is a claim by the Receiver of a New York bank in respect of alleged excess of directors' duties. The debtor does not expect that the claim will rank against his estate, as the Receiver has up to the present failed to establish his claim. No offer was before the meeting, and the case was left in the hands of the Official Receiver to be wound up in bankruptcy. The public examination is fixed for March 11.

Deed of Arrangement.

Griffiths, Henry Thomas, 10 Victoria Street, Clifton, Bristol, chemist, Trustee, Herbert W. Freshwater, St. Stephen's Avenue, Bristol, chartered accountant. Dated February 11; filed February 13. Secured creditors, 100*l.*; liabilities unsecured, 1,158*l.* 17*s.* 9*d.*; estimated net assets, 500'. The following are scheduled as creditors:—

	£	s.	d.
Barron, Harveys & Co., London	25	0	0
Cordeux, C., Clifton	55	0	0
Gordon, J., Birmingham	110	0	0
Griffiths, Mary, Clynderwen	500	0	0
John, Benjamin, Bath	200	0	0
Salisbury & Griffiths, Bristol	21	0	0
Bankers' claims	100	0	0

Gazette.

PARTNERSHIPS DISSOLVED.

De Pass, D., and **De Pass, A. A.,** under the style of Daniel de Pass & Co., Fenchurch Buildings, Fenchurch Street, E.C., colonial merchants.

Gimson, W. G., and **Gimson, W. D.,** under the style of Gimson & Son, Witham, Essex, surgeons and accoucheurs.

Goffe, H., and **Goffe, W.,** under the style of James Goffe & Sons, Birmingham, mineral-water manufacturers.

Palmer, H. D., and **Crooks, J.,** under the style of Palmer & Crooks, Nayland, near Colchester, surgeons and apothecaries.

Thomson, D., and **McArthur, D. R.,** under the style of Thomson & McArthur, Luton, physicians and surgeons.

Wilson, F., and **Fitzpatrick, B.,** under the style of Wilson & Fitzpatrick, Liverpool, mineral-water manufacturers.

THE BANKRUPTCY ACTS, 1883 AND 1890.

Receiving Order.

Wilson, Duncan Herbert Hastings, Brook Street, Grosvenor Square, W., homœopathist.

New Companies and Company News.

The Horse Concentrated Food Company (Limited). Capital 3,000*l.*, in 1*l.* shares. The first shareholders, who are the directors of the company, are:—F. W. Sutcliffe, chemists' manager, 288 Rochdale Road, Oldham; John Shaw, Jabez H. Shaw, Alderman R. M. Shaw, Reg. Shaw, David Haigh, and Councillor Oxleyu, all of Hddersfield. Registered office, 30 New Row, Longwood, Huddersfield.

Milton Chemical Company.—Capital 12,000*l.*, in 600 preference and 1,800 ordinary shares of 5*l.* each. Objects: To carry on the business of general chemical manufacturers, producers, and dealers, including the manufacture and production of gas-fuel and other products from coal, oil, and other materials, and the treatment, refining, and utilising of such products. The registered office is at 100 West Campbell Street, Glasgow.

Medical Publishing Company (Limited).—Capital 1,000*l.*, in 1*l.* shares. Objects: To establish, print and publish a newspaper called *The Clinical Journal*, to enter into a certain agreement, and to carry on the business of newspaper-proprietors, printers, publishers, and advertising-contractors. The first directors (to number not fewer than three nor more than five) are:—Francis Harper, Reginald J. Lumby, and Lawrence E. Creasey. Qualification, 100*l.* Remuneration, 150*l.* per annum, to be divided between them.

Faithfull Brothers (Limited).—Capital 1,000*l.*, in 1*l.* shares. Objects: To enter into an agreement, dated September 2, and made between Percy C. Faithfull of the one part, and Edwin W. C. Patten (for the company) of the other part, and to acquire, take over as a going-concern, and carry on the business of a chemist and druggist, carried on under the style or firm of "Kemp," at 10 Bedford Terrace, Kensington, London, W. The first subscribers are:—Percy C. Faithfull, 19 Wood Lane, Shepherd's Bush, W., gentleman (994 shares); Mrs. Agnes Faithfull, of the same address (1 share); Leonard E. Faithfull, Ivy House, Sydney Road, Forest Gate, E., gentleman (1); Alfred Pollard, 10 Bedford Terrace, Kensington, W., chemist (1); Charles Cook, 13 Swinbrook Road, Westbourne Park, W., assistant (1); Miss Annie Nurse, 8 Wells Square, Berwick-on-Tweed (1); Sidney L. Faithfull, Hawthorns, Gorsebrook, Wolverhampton, electrical engineer (1). The first directors (to number not fewer than two nor more than four) are Percy C. Faithfull and his wife. Qualification, membership of the company.

Medico-Hygienic Inventions Company (Limited).—Capital 17,875*l.*, divided into 2,500 ordinary shares of 5*l.* each, 375 founders' shares of 1*l.* each, and 1,000 deferred shares of 5*l.* each. Objects: To enter into an agreement with the Société Chimique des Usines du Rhône and Francis B. F. Millard, and another between the same parties, and to carry on the business of buying, selling, manufacturing and dealing in the articles referred to in the said contracts, and fuller particulars of which are not given. The first subscribers are:—Gustave Pertsch, Lyons, France, director of a company (1 ordinary and 100 founders' shares); Heinrich Helbing, 63 Queen Victoria Street, E.C., consulting and analytical chemist (1 ordinary and 100 founders'); Robert W. Greeff, 3 Eastcheap, E.C., merchant (1 ordinary and 100 founders'); Michael Carteighe, 180 New Bond Street, W., pharmaceutical chemist (1 ordinary and 20 founders'); William G. Smith, 3 Eastcheap, E.C., manager (1 ordinary); Edward Johnson, 63 Queen Victoria Street, E.C., clerk (1 ordinary); Francis B. F. Millard, 7 Lysander Grove, Upper Holloway, N., clerk (1 ordinary). The first directors (to number not fewer than three nor more than eight) are Gustave Pertsch, Robert W. Greeff, Heinrich Helbing, and Michael Carteighe. Qualification, 200*l.* Remuneration, 300*l* per annum, divided between them. Registered office, 63 Queen Victoria Street, London, E.C.

Brunner, Mond & Co. (Limited).—The directors have declared an interim dividend for the half-year ended December 31 last of 7 per cent. on the preference, 20*s.* on the fully-paid ordinary, and 7*s.* on the partly-paid ordinary shares.

W. B. Fordham & Sons (Limited).—After making provision for depreciation, &c., the directors recommend a final dividend at the rate of 12½ per cent. per annum for the half-year ended December 31, making, with the interim dividend, 10 per cent. for the year.

John Oakey & Sons (Limited).—The directors propose a final dividend upon the ordinary shares of 5 per cent. for the half-year ending December 31 last, together with a bonus of 2½ per cent., making 12½ per cent. for the year; to pass 8,500*l.* to reserve, making that fund 26,234*l.*, and to carry 198*l.* forward to next account.

S. F. Goss (Limited).—The solicitors of this company ask us to make it clear that the notice we published last

week of the meeting under the voluntary winding-up was merely a formal meeting of the old company S. F. Goss (Limited) (incorporated in 1894 and subsequently reconstructed), and had no application whatever to the existing company S. F. Goss (Limited), incorporated in 1895, which latter company has since its incorporation carried on the business of the old company at 201 Regent Street and 460 Oxford Street.

Bleasdale (Limited).—The third annual report of this company (for the year ending December 31, 1896) states that the sales for the year have been 4,000*l.* more than those of 1895. The balance-sheet shows a balance of 1,411*l.* 2*s* 4*d.*, of which 583*l.* 3*s.* 8*d.* has been paid as an interim dividend—viz., at the rate of 5 per cent. per annum for the first half-year—and the directors now recommend a dividend of 3*s.* per share, being at the rate of 6 per cent. per annum for the last half-year. This will leave a balance of 1,650*l.* of assets over liabilities. The dividend will be payable on March 9. In April last Mr. Grierson, owing to indifferent health, was obliged to resign the management of the company, but retains his seat on the board. Mr. Humphreys now holds the posts of managing director and secretary. The report states that a favourable start has been made in colonial business.

The Sanitas Company (Limited).—The directors' report for the year 1896 shows a balance to credit of revenue, after making provision for bad and doubtful debts, adding the amount brought forward from 1895 of 691*l.* 8*s.* 9*d.*, and deducting income-tax, ~~amounts to 10,637*l.*~~ 3*s.* 5*d.* From this sum 2,625*l.* has been paid as interim dividend for the half-year ended June 30, 1896, leaving, after payment of directors' fees and interest on capital paid in advance of call, a balance of 7,080*l.* 11*s.* 4*d.* The directors propose to write off on account of depreciation of the patents and goodwill account a further sum of 1,564*l.* 19*s.* 8*d.*, and recommend the payment of a final dividend of 5 per cent. (making, with the interim dividend already paid, 10 per cent.) and a bonus of 9*d.* per fully-paid share, both free of income-tax (making a total distribution for the year of 13¾ per cent.). This will leave 807*l.* 5*s.* to carry forward to 1897.

P.A.T.A. Meetings.

LEICESTER LIGHT.

A MEETING to consider the objects of the Proprietary Articles Trade Association was held at the Clarendon Rooms, Leicester, on Tuesday evening. Mr. T. Howard Lloyd presided, and there were also present Messrs. A. B. Kerridge, J. Young, W. Lloyd, Morris, White, L. Ough, W. Thirlby, Hodgson, Hind, Clarke, Hamshaw, W. S. Glyn-Jones, G. L. Maugham, and F. W. Goodess (Hon. Sec.). Letters of apology for inability to be present were read from Messrs. J. S. Hepworth and Baldwin (Loughborough), Mr. Pridmore (Hinckley), Mr. Adams and Messrs. Green & Sons (Market Harborough), Mr. Brownlow (Melton), and Mr. Brooks (Ibstock), all of whom expressed sympathy with the aims of the Association.

The Chairman, in opening the meeting, said there was no doubt that immense fortunes had been made by the proprietors of the articles under consideration in the past, and he thought they might expect that owners of proprietary preparations would, in the future, continue to do their utmost to push the sale of those articles. He, therefore, thought the trade should realise that any effort on the part of individuals, or even of any society, to put down the sale of proprietary articles would be futile. The next question was, "In what way can the trade bring about a better state of things in regard to their sale?" Profits had been reduced to a minimum, and the sale of these articles brought little or no benefit to chemists generally. He thought the Proprietary Articles Trade Association had come forward in the nick of time, and had shown them an excellent way out of the difficulty. A very few chemists could afford to decline to sell proprietary articles, but they know that if a speciality could not be obtained at one shop the public would get it at another. He did not think they could look for permanent relief by substituting their own preparations, but he considered that much good could be done by making it clear to the proprietors of patent articles that it would be to their own interest to fix the price of their goods so as to allow chemists larger profits.

Mr. Glyn-Jones then addressed the meeting. He said it was encouraging to find that a large number of the chemists of Leicester had already shown their sympathy with the Association by joining it. If chemists would but realise it, they would see that they had the remedy for the present grievance in their own hands. The proprietors were watching their action with great interest, and it would be apparent to them if chemists joined the Association in sufficient numbers that they could not withstand the organised opposition of a combined trade. They had promises from several large firms to join them, as they become more influential. Mr. Glyn-Jones also urged that a local chemists' association should be formed, and instanced the Associations in Plymouth, Birmingham, Nottingham, &c., as being exceedingly helpful in matters affecting the interests of chemists.

Mr. Thirlby moved—

> That this meeting of chemists, residing in Leicester and neighbourhood, cordially approves of the aims and objects of the Proprietary Articles Trade Association, and pledges itself to support it in every possible way.

He thought it unfortunate that they had not a chemists' association in Leicester, but hoped that one would be formed as a result of that meeting

Mr. Berridge seconded the motion.

Mr. White asked whether it was the intention of the P.A.T.A. to take any steps to stop the cutting of drugs. So far as Leicester was concerned, he did not think they need trouble about patent medicines; but if they could do anything to stop the cutting of drugs they would accomplish a good work. There was, however, a profit to be derived in regard to patent medicines that he did not think chemists sufficiently concerned themselves about. He referred to the display of show-cards. He had made it a rule not to exhibit the show-card of any firm which would not pay him a guinea a year for so doing, and at the present time he had thirteen guineas a year coming in from that source. (Hear, hear.)

Mr. Gooddess thought some good might be done if chemists refused to distribute literature setting forth the virtues of patent medicines.

Mr. Clarke, while agreeing with the objects of the P.A.T.A., thought they should be careful not to spring an agitation upon the public in respect to the sale of patent medicines. They must proceed with great care. He did not think any real benefit would be brought about till the people were better educated, and realised that they could not properly treat themselves by patent medicines.

After further discussion, the resolution was put and carried *nem. con.*

A small committee, consisting of Messrs. Berridge, Thirlby, and Gooddess, were next appointed with the view of forming, a local chemists' association.

The proceedings terminated with votes of thanks to the chairman and Mr. Glyn Jones.

MEETING AT GRIMSBY.

A representative meeting of Grimsby chemists was held at the Royal Hotel on Wednesday afternoon for the purpose of meeting Mr. W. S. Glyn-Jones and discussing the Proprietary Articles Trade Association. The chair was occupied by Mr. R. Cook (Vice-President), in the absence through illness of the President (Alderman E. Palmer, J.P.), Deputy-Mayor of the Borough. There were also present Councillors Wharton and White, Messrs. Welley, Sneath, H. W. Colley, Barker, Wray, Willson, Hawdon, Dewing, Moore, Hearns, and Mr. S. J. North (Hon. Secretary).

After a brief reference by the Chairman to the absence of the President, Mr. Glyn-Jones was introduced to the assembly, and gave a sound, practical address. What they wished to arrive at, he said, was a remedy for what was admitted to be a very grave evil affecting chemists and druggists in the shape of the suicidal competition now going on with regard to proprietary articles. Individual action would be useless; they could only succeed by combination, and one of the first steps was to prove to proprietors that "cutting" was detrimental to their interests, because, to a

large extent, many persons pushed their own proprietary articles. There was little difficulty, he thought, in securing the co-operation of the wholesalers in inducing proprietors to give to the rank and file of legitimate traders an absolute guarantee of profits. The Association's scheme he thought must commend itself to them. One objection to the Association was the cry, "No coercion, please," and on the face of it there was an element of reason in this. But surely there was such a thing as goodwill, and the proprietor of any recognised proprietary article might be granted the right to stipulate the minimum price at which his goods should be sold. He contended that combination was not only advisable but legitimate, and its power had not yet been utilised by chemists and druggists. Were they content to be looked upon by proprietors as mere automatic-machines? Many members of the trade worked for the proprietors gratuitously by exhibiting their showcards and distributing their bills. He had heard the day before, at Leicester, of a chemist who was deriving an income of 13*l.* 13*s.* per annum for showing thirteen cards in his shop. He invited discussion as to details, and urged that unless objectors to the Association could provide a better remedy, they should at least give this one a chance to prove its capabilities.

The first resolution was moved by Councillor Wharton as follows:—

> That this meeting of chemists residing in Grimsby and district desires to express its approval of the aims and objects of the P.A.T.A., and pledges itself to support it in every possible way.

He thought Mr. Jones had gone over the ground very thoroughly, and as one of the earliest members in Grimsby the movement had his cordial support, because he thought it was a case where chemists had everything to gain by membership and nothing to lose.

Mr. Dewing seconded as a member of twelve months' standing, and endorsed the views of the previous speaker.

Mr. Willson supported the motion, and thought it was time an organisation was brought about, in order that they as traders might deal with the public on fair terms instead of allowing them to go into places where they were induced to take articles they never went in for.

Mr. Sneath wished to know if Mr. Owbridge of Hull had joined the Association, and, in answering this in the negative, Mr. Jones said he had had some communication with Mr. Owbridge, who had said he had the matter under his consideration. He had also seen his representative in London, and had read several letters from people throughout the country, in which he had told them the same kind of thing. Of course they had to look at the matter from Mr. Owbridge's point of view. His lung-tonic, or at any rate the bulk of it, was being sold at 9½*d.*, and they were asking him to sell it at 1*s.* It was not to be expected that proprietors would be induced to take such a step unless considerable pressure were brought to bear upon them. Proprietors say, "If you can show 4,000 or 5,000 members, then we will recognise the demand to be that of the trade, and place the article upon your list." When he called upon them they generally asked, "How many members have you?" "Well, we are nearer 2,000 than 1,900." "That's all right; but how many chemists and druggists are there?" "Oh, between 8,000 and 9,000." "Ah! that's about one quarter; we can't pledge ourselves." That was the excuse (continued Mr. Jones) if not the actual reason.

Mr. Wray wished to know who was to act as censor. For instance, if the Chairman or Secretary commenced "cutting," who was to supply the information? A query which Mr. Jones met by stating that he thought Mr. Dewing or the nearest chemist to the delinquent would be a bad man of business if he didn't report it to the Association.

The Chairman thought a local executive would deal with the matter.

Mr. Wray: But suppose I buy a large quantity of goods, and have a long pocket, what then?

Mr. Glyn-Jones: We should buy it all up inside of a fortnight.

Mr. Wray next inquired why Messrs. Evans had not joined.

Mr. Glyn-Jones: "They are waiting to see what their customers think," was the reply, and, if Liverpool is a criterion, we shall be able to show Messrs. Evans that their customers wish them to go in.

Answering Mr. Willson, the Honorary Secretary (Mr. North) said that two-thirds of the local chemists were represented at the meeting.

Mr. Glyn-Jones: The best are here. (Laughter.)

Mr. Willson next sought information as to the view of those absent, and received a very favourable reply, showing that a large percentage of the absence was due to unavoidable causes.

The Chairman then put the resolution, which was carried unanimously.

Mr. Colley next moved—

> That this meeting urges manufacturers and wholesale houses to place all their preparations upon the protected list at face value.

Councillor Wharton seconded, and in the discussion following Mr. Jones pointed out that the profit should be in relation to the kind of goods. On the question of profits, Mr Dewing said he knew a chemist who was charging 6*s.* 6*d.* per lb. for cotton-wool—12 lbs. at a time. Mr. Jones pointed out that a favourite device of the big cutters was to take the article showing the greatest profit, and say to the public, "This is how you are being rushed." The resolution was carried unanimously.

On the motion of Mr. S. J. North (Secretary), seconded by Mr. Willson, the Grimsby and District Chemists' and Druggists' Association was requested to act as local executive on behalf of the P.A.T.A.

Votes of thanks were passed to Mr. Glyn-Jones and to the Chairman.

Westminster Wisdom.

Coal-tar Products and the Patent Laws.

A question of considerable importance to manufacturing chemists has just been raised in the House of Commons by Captain Phillpotts. It is whether foreigners, by taking out a patent in England, can prevent a process being carried out in this country by others without any obligation on their part to exercise it themselves, so long as they keep the market supplied from abroad. According to the gallant captain, trades representing very large capital—amongst them the trade in certain dyes the product of coal-tar—are foreign monopolies, "prejudicial to British industries in consequence of this state of the law." As in all other European countries a patentee is bound to exercise his patent within those countries, the hon. member wished to know whether the Board of Trade would take steps in the interests of home industries and home labour to bring the patent laws of the United Kingdom into conformity with those of every other European country. In his reply, Mr. Ritchie made no attempt to contest the allegation as to the severity of the foreign competition in respect to the trades indicated. He, however, traversed Captain Phillpotts' statement of the law. He referred him to section 22 of the Patent Act, 1883. This section prescribes a course of procedure where (*inter alia*) a patent is not being worked in the United Kingdom by reason of the default of a patentee to grant licences. In the absence of any judicial decision to the contrary Mr. Ritchie was not satisfied that the law is ineffectual, as it now stands, to meet the cases suggested in the question.

The Postal Department and Rubber Samples.

It appears that the transmission of samples of rubber by British firms by sample-post has been absolutely prohibited within the last few days, on the ground that the odour of rubber is injurious to other correspondence or annoying to the officials. Mr. Henniker-Heaton, having brought the subject before the Postmaster-General, received (through Mr. Hanbury, who answers for the Department in the Commons) the reply that the exclusion of crude rubber from the sample-post was decided on upon the ground that it is the duty of the Post Office to protect the contents of the mails; that under 47 and 48 Vict. chap. 76, articles such as crude rubber, which are likely to injure the contents of the mails, cannot be transmitted by this method. Mr. Heaton in his question had pointed out that the rubber-trade of Liverpool exceeds six millions sterling in value per annum, and he suggested that the effect of the action of the Post

Office had been serious; in fact, that the trade had been "bodily transferred into the hands of foreign manufacturers." He added that by certain processes the odour of crude rubber was now largely got rid of, and that by packing the substance in a tin canister any remaining odour was entirely suppressed. Mr. Hanbury, however, remarked that it is a necessary condition that samples must be packed in such a manner as to be easily withdrawn for examination, and that this would be impossible in the case of samples packed in air-tight canisters. He added that the prohibition applied equally to samples of crude rubber received from abroad as to those posted in this country. Later on another member, Mr. Warr, interrogated Mr. Hanbury on the subject, who, however, plainly indicated that the Department would not yield. But, he added, there would be no objection to such samples being sent by parcel-post.

The Companies Bill.

The Companies Bill has now been read a second time, and referred to a Select Committee. The Earl of Dudley, by whom the second reading was moved, simply stated that the Bill embodied the principle of the similar Bill which was accepted by the House last year and which was then referred to a Select Committee, which, however, had not had time to consider its details. The Select Committee this year will have plenty of time to consider the details. Whether the House of Commons will also have time to consider them when the Bill reaches that Chamber is another question.

Carbide of Calcium.

Mr. Kearley intends to ask the President of the Board of Trade whether he is aware that large quantities of carbide of calcium are being imported to this country, and whether, having regard to its dangerous nature when exposed to air, any steps are being taken to regulate its storage, and, if not whether clause 14 of the Petroleum Act can be made to extend to its inclusion.

Shop Hours.

The opposition to the Shops (Early-closing) Bill of Sir John Lubbock has received further extension, Mr. H. S. Samuel and Sir F. D. Hartland having put down notices for the rejection of the Bill. Mr. H. S. Samuel, Colonel Dalbiac, and Mr. R. G. Webster have also notified their intention to oppose Sir Charles Dilke's Shops Bill.

The Diamond Jubilee Holiday.

The Government have acquiesced in Sir John Lubbock's suggestion for a national holiday in commemoration of her Majesty's reign. Sir John Lubbock wished to extract from Government a promise to make each anniversary of the Diamond Jubilee a holiday, but this was more than Mr. Balfour could see his way to agree with.

The Midwives Bill.

Sir Walter B. Foster has intimated that he will move the rejection of this measure when it comes on for second reading. The Bill is one to register midwives, and is strongly opposed by a section of the medical profession, who see in it a probable source of keen competition, as they think that a midwife with a certificate will be a much more formidable person to compete with. Sir Walter is, apparently, the spokesman of this section.

Ol. Morrhuæ Opt.—Whatever may be the explanation of the peculiar virtues of cod-liver oil, they are such that the remedy has hitherto, and doubtless long will hold its own against succedanea and rivals of all kinds as a builder-up and strengthener of the poorly-nourished and debilitated. So says *Pediatrics*.

"You see," said the old lady, who was rather ill, "my daughter Harriet is married to one o' these homeypath doctors, and my daughter Kate to an allypath. If I call in the homeypath, my allypath son-in-law an' his wife git mad, an' if I call in my allypath son-in-law my homeypath son-in-law an' his wife git mad, an' if I go ahead an' git well without either o' 'em then they'll both be mad, so I don't see but I'd better die outright."

Pharmaceutical Problems.

We mentioned in our issue of February 6 that the Pharmaceutical Association of Belgium, who are organising the Eighth International Congress of Pharmacy, had drafted a scheme for an international competition in essays to be submitted for that Congress. Three prizes are to be given for the three best papers on questions of scientific or practical interest, and three for papers on professional interests. There is no specific limitation of the subjects on which papers may be written, but the Association has drawn up a series of twenty topics as examples, and as these comprise many suggestive subjects we reprint them. They will serve to indicate at least twenty different channels in which young pharmacists may usefully direct their brain-power:—

1. Give a concise and practical treatise for a summary of the drugs and medicines employed in pharmacy.
2. What is the most practical mode of pharmaceutical book-keeping? Produce a specimen register answering these desiderata.
3. Present a complete treatise on the different species of aconite-root.
4. Give a practical formula for the preparation of formol.
5. What is the value of the substances called "Essential oils without terpenes"?
6. Present the advantages of an universal pharmacopœia, and give the means of obtaining this result.
7. Resume the principal arguments in favour of the suppression of the united medico-pharmaceutical profession.
8. Propose a good way of estimating the active principles in oily infusions.
9. Show the actual state of our acquaintance with the alkaloïds, ptomaïnes, and the leucomaïnes. Explain the difference as between the ptomaïnes and the leucomaïnes and natural alkaloïds.
10. Is it not necessary to modify the legal formalities as actually applied to pharmaceutical apprenticeship? If so, state the possible changes. If a jury for the examination of apprentices be necessary, give its composition and the subjects for examination. State what you know of the study of this question in other European countries.
11. Is professional dignity compromised by the examination by Government inspectors or by private agents on their delivery? Is there any way of opposing this examination?
12. Is there any danger in occasionally freeing the chemist from his civil responsibility? If so, where could this exemption be granted? What warranty would the substitute be required to give?
13. Propose a legal way of preventing patent medicines from being sold under marked price.
14. Indicate the rules for supplying medicines to the poor in all European countries. Show the advantages of each system from general and pharmaceutical points of view.
15. Is it not advisable to put doctors under the obligation of adding to their prescription the manner in which the medicine is to be taken, and mention the age and sex of the patient? Without this knowledge, can the chemist estimate the doses with accuracy?
16. The different actions of chloroform mentioned by authors appear insufficient: most of the common chloroforms in trade are sufficient for their purpose, but it would be imprudent to use them for anesthesia. Define the necessary qualities of a perfect drug.
17. Researches on the purity of naphthol β and of benzonaphthol.
18. Show a practical way of taking from simple drugs for the preparation of galenical medicines, the pectical, gummy, mucilaginous matters they contain, without destroying their therapeutical properties.
19. Would it not be better to suppress from the official codex all hard or soft extracts, and to replace them by dry extracts? Show by comparative dosages if evaporation has any effect on the active principles contained.
20. Show the most certain ways of discovering abortives in complex mixtures (milk, tea, coffee, chocolate, powders, medicines, &c., &c.).

Trade Reports.

42 CANNON STREET, E.C., *February* 18.

BUSINESS remains fairly active in many departments of the produce-market, but in drugs it has been rather stagnant this week. In regard to good chemicals few changes can be reported. Quinine is steady, but without business; the price of Whiffen's brand has been officially raised. Citric acid dull of sale. Tartaric acid firmly held. Cream of tartar is slightly easier. There have been no alterations whatever of importance in any fine chemicals controlled by the conventions. The heavy chemical trade continues fairly brisk. Caustic soda is tending slightly easier, although up to the present no alteration has been made in the price. Refined saltpetre is lower, both for British and German brands. Cyanide of potassium remains very cheap. Permanganate continues in demand, but is offering at a slight reduction for spring delivery. Chlorate quiet. Arsenic again dearer, and sulphate of copper higher and with a firm tendency. Benzols quiet and easier. Sulphate of ammonia dull of sale. In the drug-market there are comparatively few alterations. To-day's drug-auctions were rather small. The fifteen catalogues consisted (not including the vanilla, which is to be sold to-morrow) of 1,212 lots; only 321 of these, equal to 28 per cent., were sold at the sales to-day, although a fair proportion changed hands privately during and after the auctions. The cinchona-bark auctions of Tuesday were small, but the price advanced nearly 10 per cent. Aloes show no alteration. Acacia gum has been in fair request for East Indian varieties. Asafœtida firmly held, but none sold at auction. Good ambergris did not sell. Buchu slightly easier. Copaiba balsam firmly held. Peru dearer. Sumatra benzoin neglected, and easier for ordinary grades. Belladonna-root sells well at high prices. Crude camphor neglected and lower. Cardamoms in better demand, at firmer prices. Turkish colocynth 1*d.* easier. Calumba firmly held. Russian ergot of rye dearer; Spanish remains low in price. Gambogc about 15*s.* lower. Honey quiet. Jalap unaltered. Brazilian ipecacuanha about 3*d.* lower for ordinary, but steady for good quality. Kola nuts remain cheap. Common Kamala lower. Lime-juice easier. Musk firmly held. Menthol lower. Castor oil firm. Cod-liver oil still tending downwards. New orange-peel about 2*d.* easier. English peppermint oil is easier, HGH also. Oil of cassia and anise firm. Clove oil has been advanced. Italian orris-root lower. Quassia 10*s.* per ton higher. Rhubarb in demand at 2*d.* to 3*d.* advance. Good Tinnevelly senna dearer. Jamaica sarsaparilla slightly easier. Chinese soy weak. St. Ignatius beans firmer. The spice-market continues strong. Cassia-buds are much higher. Cassia lignea closes slightly easier. Zanzibar cloves have sold freely at higher rates. Black and white pepper active. Japan and Jamaica ginger are dearer. Mace is firmer. Nutmegs steady. Shellac firmer. On the spot more money is asked for Chinese galls. Quicksilver is very firmly held, and turmeric is dearer.

The Cod-liver Oil Market.

Our Bergen correspondent telegraphs on Thursday evening that fishing is proceeding satisfactorily. The catch so far has been fairly large—viz., 3,600,000 fish, against 1,500,000 in 1896. Up to the present 3,000 barrels of oil have been made, compared with 500 barrels at the same time of last year. New season's non-freezing oil offers at 100*s.* per barrel.

Hamburg Telegram.

Our Hamburg correspondent wires on Thursday afternoon that *refined Camphor* is quieter and rather easier in price, 2.85m. per kilo. being the current quotation. *Cod-liver oil* neglected and offering at lower rates. *Cassia lignea* dearer, at 79m. per 100 kilos.

Smyrna Opium Telegram.

Our Smyrna correspondent wires on Thursday afternoon that 50 cases of *Opium* have been bought during the present week for account of American manufacturers, at the same price as last week's parcel.

New York Cablegram.

Our New York correspondent telegraphs on Thursday evening that *Curaçao aloes* of fair quality is jobbing at 3c. per lb. All varieties of *Copaiba balsam* are lower, in consequence of somewhat large arrivals. *Mandrake root* is now offering at 10c. per lb. as the lowest price. There has been much activity in *Peppermint oil* and *Serpentaria root*. *Refined spermaceti* is ½c. per lb. lower, and *Mexican Sarsaparilla* of fair quality offers to-day at 5c. per lb.

Acacia.—Since the last auctions the demand for *Indian* gums has been fairly active, and sales have been made at firm prices. *Oomra*, 35*s.* to 36*s.*; fair reddish to pale olibanum scented *Bombay*, 50*s.*; ordinary brown to good pale *Ghatti*, 26*s.* 6*d.* to 46*s.* per cwt. *Australian* gum is inquired for, but scarce on the spot. The quotations, according to quality, range from 37*s.* 6*d.* to 45*s.* per cwt. At auction various parcels were bought in, but they did not include anything of importance. Three cases small clean pale picked *Trieste* gum were bought in at 7*l.* per cwt., and 30 bales fair *Aden* at from 52*s.* 6*d.* to 55*s.* per cwt.

Acid (Tartaric).—Very firmly held. Prices for B.P. quality, *English*, still remain 1*s.* 1*d.* per lb.; foreign offers at 12¼*d.* to 12½*d.*, without guarantee of B.P. quality.

Aloes.—Of *Cape* aloes only a few lots were offered, consisting of 9 cases, of which 4 sold at 20*s.* per cwt. for rather gritty quality. This shows no alteration in price. Three cases *Zanzibar* aloes in skins of fair quality were bought in at 95*s.* per cwt.; and 40 kegs *Socotrine*, fair to good bright, at 85*s.* to 7*l.* per cwt. Of 66 boxes *Curaçao*, 26 sold at 20*s.* 6*d.* per cwt. for fair brown livery, down to 13*s.* per cwt. for cakey quality. None of these prices show any quotable alteration.

Ambergris.—Four tins were shown at to-day's auctions; 3 of them, imported from Zanzibar, showed good colour and aroma. The price for these is 75*s.* per oz. Another lot of 21 oz. of grey ambergris was reported sold privately.

Arsenic scarce and dearer. For best white powder landed terms, 25*l.* per ton is now generally quoted; probably 24*l.* 15*s.* would still be accepted. The price "ex ship" is 24*l.* 10*s.* per ton for best English powder. At present it looks as though the firm position would be maintained for a couple of months at least.

Asafœtida.—Privately the market has been fairly steady, with moderate sales at prices ranging from 40*s.* up to 80*s.* per cwt., according to quality. It is reported that a steamer carrying over 100 packages of asafœtida was wrecked in the Persian Gulf about a fortnight ago. At to-day's auctions a recently-imported parcel of 132 packages asafœtida was offered for sale, and bought in at from 30*s.* for common, up to 85*s.* per cwt. for good quality.

Balsams.—*Peru* balsam is again dearer. Active speculation has been going on and the bulk of the supply is bought up. It is doubtful whether anything more can be had at 8*s.* per lb., which is the price said to have been paid last. Of *Tolu* balsam six cases were offered at auction. They were said to be all sold privately. The price did not transpire. Of *Copaiba* balsam 3 casks good bright *Maranham* were shown. They are held for 2*s.* 4½*d.* per lb.

Benzoin.—*Siam* gum was represented by 21 packages, all of which were bought in at from 15*l.* to 20*l.* for small

to medium blocky almonds to good, partly loose, reddish almonds. Ordinary siftings in hard block were bought in at 57*s.* 6*d.* per cwt. Of *Sumatra*, *Penang*, and *Palembang* kinds, 317 packages were offered, but only 23 found buyers at from 6*l.* 10*s.* up to 7*l.* for fair *Sumatra* seconds, rather false-packed borders. The article is, generally speaking, easier.

BISMUTH.—The total quantity of bismuth exported from Bolivia (through the port of Antofagasta) in 1894—the latest year of which statistics are available—was 196,434 kilos., valued at 98,217 silver pesos. Of this quantity 66,792 kilos. were shipped to the United Kingdom, 47,631 kilos. to Germany, 76,624 kilos. to Belgium, and 5,387 kilos. to Holland. The bismuth mines in the department of Potosi are very important, but they have been much affected by the fall in the price of the metal. The industry is in the hands of a single firm.

BUCHU.—Tending somewhat easier. Of 18 packages 5 sold at 6*d.* per lb. for good long greenish narrow, and 2*d.* for ordinary round yellow mixed with fruit and stalk. Fair to good round green leaves were bought in at 3¾*d.* to 4*d.* per lb.

CALUMBA.—Firmly held at from 17*s.* 6*d.* to 20*s.* for sorts At auction 157 bags were shown and bought in, at from 21*s.* to 22*s.* for slightly wormy brown sorts, and 25*s.* for fair yellow washed pickings.

CAMPHOR (CRUDE).—The quotation for *Japan* camphor remains 107*s.* 6*d.* per cwt., c.i.f. terms; but this price is quite nominal. The market for *Formosa* is tending downwards, although the quotations from China are higher—viz., 101*s.* 6*d.*, c.i.f., February-April shipment. There are, however, second-hand sellers on the spot in the same position, at 95*s.* per cwt., c.i.f. Some interest was shown to-day in two parcels, each of 200 cases *Formosa* camphor, salvage from the *Ceres* from Hong Kong. They had been imported *via* Hamburg, and were offered for account of the underwriters. Both lots had been catalogued "without reserve," but one broker announced that that qualification would be withdrawn, so far as his parcel was concerned. Thereupon someone bid 25*s.*, and another offered 60*s.* From that point brisk bidding went on until 92*s.* 6*d.* per cwt. was reached for first-class damaged gum. The owner then declared that he would buy in the parcel at from 100*s.* to 105*s.* per cwt. The remaining 200 cases were sold without reserve at prices ranging from 85*s.* to 91*s.* per cwt. for slightly, and for 80*s.* to 85*s.* per cwt. for rather more damaged quality. These figures are considered very satisfactory.

CARDAMOMS.—In moderate supply, 105 packages being offered at auction. Fifty-one of these sold at irregular, but on the whole slightly firmer prices, while cardamom seed was distinctly dearer. The following figures were paid:—*Ceylon-Mysore*, medium to bold, nice bright pale, 3*s.* 9*d.*; medium, 3*s.* 5*d.* to 3*s.* 6*d.*; very small to small pale, 2*s.* 11*d* to 3*s.* 2*d.*; medium, rather brown, 3*s.* 1*d.*; small to medium dull yellowish, 2*s.* 10*d.*; partly split pale down to 2*s.* 11*d.* brown and specky mixed, 2*s.* 9*d.* per lb. *Ceylon-Malabar*, medium to bold yellow long brown, 2*s.* 7*d.* to 2*s.* 9*d.* per lb.; good seed, 4*s.* 2*d.* to 4*s.* 3*d.*; ordinary mouldy pickings of wild cardamoms, 3*d.* per lb.; fair wild cardamoms, 2*s.* 6*d.* per lb. Between January 1 and 26 14,364 lbs. of cardamoms were exported from Ceylon, all to England.

CHIRETTA.—In moderate demand, at 3*d.* per lb. for fair quality.

CINCHONA.—The cinchona auctions held at the Commercial Sale Rooms on Tuesday were very small. Six brokers offered supplies to the aggregate of 843 packages, divided as follows:—Ceylon, 57; E. Indian, 187; W. African, 209; S. American Calisaya, 117; Javan, 273 packages. With the exception of 73 packages Bolivian calisaya the whole of this supply was sold. The sale lasted barely half an hour, but bidding was pretty spirited—better than has been the case for some considerable time. The unit, which was ⅜*d.* per lb. at the January sale, may now be put at ½*d.* per lb. There were practically only two buyers—a firm of brokers who are understood to act for one of the new French manufacturers, and who bought 57,410 lbs. of bark, and the Brunswick factory, who bought 51,336 lbs. The American agents took 17,000 lbs., Howards & Sons 14,315 lbs., the Auerbach agent 3,300 lbs., and the Imperial Quinine-works 2,115 lbs. Druggists bought 1,200 lbs. The following prices were realised:—*Ceylon succirubra* root 2⅞*d.*, original chips 1¼*d.*, renewed chips 1⅜*d.* to 1½*d.* per lb. *East Indian Ledgeriana* original chips 1¾*d.*, ditto renewed chips 2½*d.* per lb. *Officinalis* natural chips 1½*d.* to 2¼*d.*, renewed ditto 2½*d.* to 3¼*d.* per lb. *Succirubra*, bold bright druggists' quill, 9*d.* to 10*d.* per lb. *W. African succirubra*, in chips and broken quill, 2⅛*d.* to 2⅜*d.* per lb. *Cultivated Bolivian calisaya*, fair sound quill, 3¼*d.* to 3½*d.*; damaged ditto, 2¾*d.* to 3¼*d.* per lb. *Java Ledgeriana*, small and dusty stem chips, 2⅜*d.* to 3¾*d.* per lb. Dusty *Hybrid* stem chips, 2⅞*d.* to 4¼*d.* per lb. In 1894 28,103 kilos. of cinchona-bark were exported from Bolivia through Antofagasta. Of this, 23,783 kilos. went to the United Kingdom, and 4,320 kilos. to Germany. The exports of cinchona from Ceylon between January 1 and 26 were 16,273 lbs. In the same period of 1896 they were 61,109 lbs. At to-day's auctions a parcel of *Officinalis* bark, said to contain "about 3 per cent. of quinine," in nice quilly chips, sold, subject to approval, at 1⅝*d.* per lb. Thirty-three bales of cultivated *Bolivian* flat *Calisaya* were bought in, fine quality at 1*s.* 7*d.* per lb. for sound, and thin at 1*s.* per lb. A parcel of fair bold *Carthagena* in flat pieces and split quilly was bought in at 6*d.* per lb.

COLOCYNTH.—In plentiful supply. There are now several holders of *Turkish* apple, and prices are tending easier. Of 37 packages of this variety only 2 could find buyers at 1*s.* 6*d.* per lb. for good pale apple, which shows a decline of 1*d.* Of *Spanish* colocynth, 26 packages were shown, and bought in at from 11*d.* per lb. for seedy broken apple to 5*s.* per lb. for good pulp. Twenty-six packages *Persian* colocynth, partly peeled, partly unpeeled, of irregular size, were bought in, common quality at 3*d.* to 4*d.* per lb. One bale of pulp, *Persian*, sold at 3*s.* 6*d.* per lb.

CREAM OF TARTAR remains steady at 82*s.* per cwt. for best white *French* crystals, and 85*s.* for powder on the spot.

CUBEBS.—At auction more demand was shown, but the prices remained low. Thirty-seven bags fair brown berries from Singapore, not stalky, sold subject to approval at 29*s.* per cwt.; and for 14 bags very small shrivelled and slightly stalky berries from Singapore, 25*s.* per cwt. is the limit.

DRAGON'S BLOOD.—Of 14 cases offered at auction to-day only 2 sold, at 6*l.* 15*s.* per cwt., for rather dull bricky saucers. Fair *Singapore* lump was bought in from 8*l.* to 8*l.* 10*s.*, and for a very ordinary lot 85*s.* per cwt. is the price. These figures show no alteration.

ERGOT OF RYE.—The market is fairly firm, but the recent upward movement has not been quite maintained. It is possible to buy fair *Russian* ergot on the spot at 5½*d.* to 5¾*d.* per lb. At auction 20 packages *Russian* were offered, and six of these sold at 6½*d.* per lb. for good sound quality. This shows a rather higher price. Of *Spanish* ergot 71 packages were offered, of which ten sold very cheaply at from 4¾*d.* to 5½*d.* per lb. for an extremely wormy lot. Another wormy parcel was bought in at 6½*d.* per lb., and for fair bold sifted the buying-in price ranged from 7*d.* to 8*d.* per lb.

GALANGAL.—The recent arrival of fair quality is held for 30*s.* per cwt.

GALLS.—*Chinese* dearer. The usual shaped Chinese galls on the spot have been sold at 63*s.* to 64*s.* For arrival there is no alteration in the price, which remains 58*s.*, c.i.f. *Japan* galls are quiet at 56*s.*, c.i.f. At to-day's auctions 20 cases unworked *Chinese* were bought in at 67*s.* 6*d.* and 25 cases *Japanese* at 62*s.* 6*d.* per cwt. Of 208 bags *Persian*, 17, all more or less damaged, sold at from 45*s.* to 48*s.* per cwt.

GAMBOGE.—In rather large supply, 63 cases being offered for sale. Of this quantity, 38 sold, mostly without reserve, at an average decline of about 15*s.* per cwt., from 7*l.* 5*s.* to 7*l.* 17*s.* 6*d.* being realised for ordinary to fair broken old *Singapore* pipe, slightly blocky; and from 7*l.* 12*s.* 6*d* to 7*l.* 17*s.* 6*d.* for a lot of ordinary blocky pipe. The same variety, but more water-damaged, brought 7*l.* 10*s.*; very wet ditto, 75*s.* per cwt.

GENTIAN-ROOT.—Good French root offers at 28*s.* per cwt., f.o.b.

IPECACUANHA.—Of *Brazilian* root 54 packages were offered, of which 23 sold at very irregular prices, the first

parcel offered being from 3*d.* to 4*d.* lower, the second realising practically the last auction rates. The following were the figures realised:—Sound rather lean to good plump annulated, from 5*s.* 7*d.*; lean damaged, from 5*s.* to 5*s.* 3*d.* per lb. Good picked root was bought in at 6*s.* 9*d.* per lb. Of *Carthagena* root 24 bags were offered, and all bought in at from 4*s.* up to 4*s.* 6*d.* per lb. These prices are more or less nominal.

Jalap.—Fairly steady. At auction 17 bales were offered, of which 6 sold; rather small mixed *Vera Cruz*, at 5½*d.* for sound, and 5¼*d.* for slightly damaged. The remainder was bought in at 6*d.* per lb. for sound root.

Kino.—Fine quality grain is not offering for the present. There have been several inquiries lately which cannot be satisfied. The nominal quotation is from 10*s.* to 11*s.* per lb. At auction a case of dusty Zambesi kino was bought in at a nominal price.

Menthol is distinctly lower. Sales of fair quality have been made privately, it is said, at 6*s.* 6*d.* per lb. on the spot, a decline on the last nominal price of about 6*d.* per lb. At to-day's auctions 8 cases were offered; the bulk was bought in at from 1*s.* 9*d.* to 7*s.* per lb One case of *Kobayashi's* brand sold at 6*s.* 6*d.* per lb.

Musk.—*Tonquin* pods were in small supply and firmly held. It is said that the price of fine blue-skin pods in China is equal to 100*s.* per oz. No such quality was shown in sale. Four tins of old-fashioned first pile thick skin and under-skin were bought in at 75*s.*, and 8 tins of ordinary old-fashioned third pile at 30*s.* per oz.

Oil (Castor).—Steady at 3¼*d.* to 3½*d.* for fair to good *Calcutta* seconds; first quality is quoted at 4*d.* per lb. The last mail reports from Calcutta, dated January 27, announce that although the stock and output of castor oil are small, prices are slowly easing off, owing to the absence of demand. This applies especially to oil for distant arrival. It is still maintained that the coming crop, both of *Madras* and of *Daisee* seed, is likely to be very small. At to-day's auctions 49 cases were bought in, good pale *Calcutta* seconds at 3½*d.* per lb., *Italian* medicinal at 4¾*d.* per lb.

Oil (Cod-liver).—The market is in an uncertain position, and prices are much the same as last week. One importer asks 120*s.* per barrel, c.i.f. terms, but *JRH* brand is quoted at 105*s.* c.i.f., and *Isdahl's* oil offers for March shipment at 100*s.* per barrel, c.i.f. All these quotations are for new oil. Old Tromsoe oil is held for 100*s.* per barrel, c.i.f. At to-day's auctions several lots were shown, but no business was done. Ten casks of non-freezing *Newfoundland* oil were bought in at 5*s.* per gallon, and several parcels of *Norwegian* at nominal prices. It is stated that none of the wholesale druggists, with the exception of the firm mentioned in our last issue, have yet received genuine new season's oil. The first consignment arrived at Hull on Sunday, about a fortnight late, than the beginning of the last season. *Thesen's* brand of new oil now offers at 105*s.* per barrel, c.i.f. terms.

Oils (Essential).—The English manufacturers have raised their quotations of *Clove oil* by 3*d.* per lb., finest quality being now quoted at 2*s.* 3*d.*, second at 2*s.* 1*d.* per lb. *Cinnamon oil* is in steady demand, the prices of *Ceylon* oil ranging, according to quality, from 6*d.* for leaf and 1*s.* 6*d.* per oz. for so-called bark oil. *Citronella oil* quiet, but fairly steady. On the spot 1*s.* 2*d.* per lb. would probably be accepted for tins or drums. Sales of 10 tons of *Citronella oil* in drums were reported a few days ago at from 12½*d.* to 13*d.* per lb., c.i.f. terms, shipment till end of May. *American peppermint oil* is again 3*d.* lower, business having been done in HGH oil on the spot at 7*s.* per lb. At the end of last week some business was reported in *Japanese peppermint oil*, 40 per cent., at 4*s.* per lb., c.i.f. terms. Since then it is said that 2*s.* 9*d.*, c.i.f., has been paid for dementholised oil, February-March shipment, while on the spot 3*s.* 1½*d.* per lb. is asked. At auction a case was bought in, however, at 2*s.* 9*d.* per lb. *Star-anise* oil firmly held at 7*s.* per lb. on the spot. For arrival there are buyers at 6*s.* 6*d.* per lb., c.i.f., but no sellers under 6*s.* 7*d.*, c.i.f.; and at auction to-day a parcel of 13 cases was bought in at 7*s.* 3*d.* per lb. for congealed, and 7*s.* per lb. for partly fluid oil. Twelve cases of *Cassia oil* were also bought in at 5*s.* 9*d.* per lb. for 54 per cent. Fine oil is limited at 8*s.* per lb., at which figure it is said that business is being done privately. *Eucalyptus oil* in large supply, but without demand. About 70 cases were bought in, *Globulus* at 2*s.* per lb.; for *Rhisdonia oil* 1*s.* 4*d.* per lb. is asked; ordinary qualities are limited at 10*d.* to 10½*d.* per lb. Bombay *Rose oil* realised 3*d* to 3½*d.* per oz. Five cases pale and peculiar-looking *Sandalwood oil* from Mangalore sold without reserve, bidding beginning at 1*d.* per oz., and the parcel finally changed hands at from 3*d.* to 4½*d.* per oz. One lot of brown sandalwood oil from Bombay brought 3½*d.* per oz. Ten cases pale *Japanese* camphor oil are limited at 47*s.* 6*d.* per cwt. *Cinnamon-leaf* oil at 6*d.* per oz. and *Cinnamon-bark oil* at 1*s.* 6*d.* per oz. Four cases of so-called *Essence of bergamot* sold without reserve at 2*s.* 3*d.* per lb., and a case of D. & O. *Wintergreen oil* was bought in at 5*s.* 9*d.* per lb. *English oil of peppermint* has been rather easier lately; 26*s.* 6*d.* per lb. would now be accepted for good Mitcham.

Orange-peel.—Fine bright peel of the new crop is now much more plentiful, and it is doubtful whether more than 10*d.* per lb. would be obtainable for the best. Old peel, "off colour," still offers at 5*d.* per lb. without finding buyers. At auction to-day four cases fine bright new *Tripoli* peel in thin cut strips realised 9*d.* per lb., showing a decline in value. For fair old quality 5*d.* per lb. was accepted by one holder, but another required 6½*d.* per lb.

Orris.—Considerably lower. Ten bags good bright *Florentine* root sold to-day without reserve at from 53*s.* to 54*s.* per cwt. For another parcel of 12 bales good quality 60*s.* per cwt. is asked. Fair *Mogadore* root was bought in at 45*s.*; ordinary dark *Aden* at 20*s.* per cwt.

Potash Salts.—*Chlorate of potash* quiet, and offering at 4¼*d.* per lb. in London, and 4*d.* per lb., f.o.b. Liverpool. *Permanganate* rather steady, on the spot, at 70*s.* per cwt. from second-hand holders. For spring delivery, however, 69*s.* would be accepted. *Yellow prussiate* neglected. The older English brands offer at 6*d.* per lb., usual terms. *Beckton* at 5¼*d.* per lb. net. *Bichromate* quiet at 4½*d.* per lb. *Refined saltpetre* is coming down in price rather rapidly. *British* has again been lowered 6*d.* per cwt. this week, kegs being now quoted at 21*s.* 6*d.*, barrels at 20*s.* 6*d.* per cwt. The German price has also been reduced 6*d.* per cwt., kegs being now quoted at 20*s.* 6*d.*, barrels at 19*s.* 9*d.* per cwt. *Bengal saltpetre* steady, with rather more demand. British *cyanide of potash*, 98 per cent., is quoted at 10*d.* per lb. for export.

Quassia is dearer. There has been a good demand recently for logs, of which fully 30 tons have changed hands within the past few days at an advance of about 10*s.* per ton, 5*l.* having been paid for good old logs. At auction to-day a parcel of that kind was bought in at 5*l.* 5*s.* per ton. A lot of kiln-dried chips of good colour was bought in at 11*l.* per ton; the last price for this kind was 10*l.* 10*s.*

Quicksilver.—The advance which was generally expected at the beginning of the present week has not yet taken place, the importers' quotation still being 6*l.* 17*s.* 6*d.*, while secondhand is very firm at 6*l.* 16*s.* 6*d.* per bottle.

Quinine.—The price of *Whiffen's* brand has been officially advanced 1*d.* per oz., 100-oz. lots of unbleached sulphate in tins being now quoted at 8½*d*, 25 to 50-oz. lots at 8¾*d.*, and smaller wholesale quantities at 9*d.* per oz. This is the only brand of which the price has been changed officially. The market this week has been extremely dull. *German* bulk quinine, from the makers, closes at 8½*d.* per oz. nominally, but there are no buyers. Two parcels of *Sulphate of quinine* were offered at auction to-day. The first consisted of 1 case of ten 100-oz. tins of *Taillandier's* brand—this factory, we believe, ceased to exist some years ago—the second of 3,000 oz. *B. & S.* quinine in bulk. For the *Taillandier* quinine 7½*d.* per oz. was bid, and this offer is to be submitted to the owner. The *B. & S.* parcel was bought in at 8¾*d.* per oz. The total sales of German bulk quinine during the recent period of activity are computed at 455.000 oz.

Rhubarb.—A strong demand for this article was one of the chief features of to-day's auctions. The moderate supply of 116 cases was offered, part of this was firmly held, but of the remainder 54 cases sold at an irregular advance of from 1*d.* to 3*d.* per lb., and after the auctions several lots that

were bought in at the sales changed hands at full prices. The following were the quotations at the sales:—*Shensi*, medium round fair coat, rather grey fracture, 2*s.*; medium to bold flat rough coat, fair fracture, 1*s.* 7*d.*; bold round very ordinary, pale fracture, 1*s.*; medium flat round rough coat and discoloured fracture, 11*d.* per lb.; small rough round discoloured pickings, 10*d.* per lb. *Canton* bold flat, fair coat, pinky-grey fracture, 1*s.* 11*d.*; medium ditto, 1*s.* 6*d.*; medium to bold round, pinky-grey fracture, fair coat, 1*s.* 10*d.*; small druggists' root, 1*s.* 7*d.*; small to medium round, pinky-grey fracture, fair coat, 1*s.* 4½*d.* to 1*s.* 5*d.*; flat medium to bold fair coat, rather spongy, 1*s.* 3*d.*; small druggists' root, round, dull coat, 10*d.* per lb.; medium to bold flat, fair coat, pinky-grey fracture, 1*s.* 3*d.*; medium round ditto, 1*s.* per lb. *High-dried*, small to medium, fair coat, pinky-grey fracture, flat, 1*s.* to 1*s.* per lb. Seven cases of very wormy not high-dried, almost black, were taken out, only 1*d.* per lb. being paid for them.

St. Ignatius Beans are rather dearer. Eleven bags sold to-day at 4⅛*d.* per lb., which is the same price as that realised by the last lot, but the quality of the present parcel is not so good.

Sarsaparilla.—The demand for genuine *Jamaica* sarsaparilla remains good; the price shows a decline of about 1*d.*, genuine grey Jamaica, slightly damaged, being sold to-day at 1*s.* 7*d.* per lb. Nineteen serons of *Honduras* sarsaparilla realised 1*s.* 1*d.* per lb.; and 1 bale of fine native red *Jamaica* brought 1*s.* 6*d.* per lb.

Senna.—Of *Alexandrian* leaves, 63 packages were all bought in at from 7*d* up to 1*s.* 2*d.* per lb., according to quality. *Tinnevelly* senna is decidedly dearer, the greater part of 135 bales being sold at from 1*d.* to 2*d.* for ordinary small yellowish, 3*d.* to 3½*d.* for fair greenish, and up to 7½*d.* for fine bright green leaves. One parcel, all damaged and rotten, sold at 3*s.* for the lot.

Shellac.—No auctions were held this week, and those on Tuesday next are likely to be rather light. In the meantime the market for arrival is slightly easier. At the end of last week second *Orange* TN, March-May steamer, sold at 74*s.* per cwt. At present, however, 75*s.* c.i.f. is generally asked. On the spot the market is very firm, but sales are only small. A few lots which have changed hands, however, have realised high prices. It is reported that the entire output of AC *garnet lac* for the present year has been sold by the manufacturer to a London export-druggist at 69*s.* to 70*s.* per cwt., March-May shipment, of 2,000 cases minimum, and 3,000 cases maximum. Free AC *garnet* on the spot is held for 77*s.* per cwt. *Buttonlac* is firm, scarcely any being offered from Calcutta. Fair TN *Orange* on the spot is held for 74*s.* to 75*s.* per cwt., common Calcutta worked for 68*s.* per cwt.

Spices.—There has been quite a run on *Cassia buds* lately. A few days ago 90*s.* per cwt. was paid, but since then there have been sales at 100*s.* per cwt., and to-day 110*s.* per cwt. is asked. *Cassia lignea* is easier; 41*s.* per cwt. would be accepted to-day, but in the early part of the week prices were very firm, 42*s.* being quoted for good quality, while 269 cases of damaged cassia sold at auction at 34*s.* 6*d.* to 35*s.* 6*d.* per cwt. *Chillies* are lower, ordinary brown to bright red, slightly stalky *Zanzibar* having sold at auction at from 27*s.* to 30*s.* 6*d.* per cwt. *Nutmegs* firm. *Mace* active and dearer; bold pale red *Penang* realised 2*s.* 4*d.*; medium to ordinary red, 1*s.* 6*d.* to 1*s.* 3½*d.* per lb. at auction. Fair to good *West Indian* mace sold at from 1*s.* 3*d.* to 1*s.* 6*d.* per lb. *Pimento* was firmly held at auction; only 10 bags were offered, and these sold at 2⅝*d.* per lb. for fair, partly shelly. The demand for *Japan ginger* has continued, and sales have been made on the spot at advancing prices, 17*s.* 3*d* per cwt. being paid for fair quality a few days ago. A considerable quantity was also sold, for shipment February-April, at from 13*s.* 6*d.* to 13*s.* 9*d.* per cwt., c.i.f., closing at the last-named figure. At auction 40 bags mouldy limed *Japan* ginger were bought in at 19*s.* per cwt. *Jamaica* ginger in demand at an irregular advance of from 1*s.* to 4*s.* per cwt., *Rhatoon* selling at from 55*s.* to 57*s.* 6*d.*; common to ordinary small pale-washed, 66*s.* to 71*s.* 6*d.* per cwt. *Cochin* ginger quiet; fair small to good pale-washed, rough, realised from 33*s.* to 36*s.* per cwt. At auction, ordinary native cut tips, 29*s.*; cuttings from 17*s.* 6*d.* to 18*s.* per cwt. *Arrowroot* is quiet. *Black* and *white pepper* dull at auction, but privately the market has been active, although it is easier at close. There are sellers of white *Penang* pepper, March-May shipment, at 4¼*d.*, and *Singapore* 4¾*d.* per lb., c.i.f. Ordinary *black Singapore* pepper has sold at from 3 1/16*d.* to 3⅛*d.* per lb., according to shipment. *Zanzibar cloves* have been in strong demand, several thousand bales having changed hands during the week for shipment at prices ranging up to 2 5/30*d.* and 2 3/15*d.* per lb., c.i.f., for March-May shipment. For delivery June-August, business is reported at 2⅜*d.* to 2 3/32*d.* per lb.

Sugar of Lead.—There is no further change to report. The convention-price is 24*l.* per ton, c.i.f., U.K. ports, for wholesale parcels under 5 tons, and 23*l.*, c.i.f., U.K. ports, for lots of 5 tons or more.

Sulphur.—*Recovered* sulphur is quoted at 97*s.* 6*d.* to 100*s.* per ton, f.o.b.; best thirds 80*s.*, c.i.f. On the spot the quotation for foreign *Flowers* is 6*l.* 5*s.*; *Roll*, 6*l.* per ton.

Turmeric firmly held. Fair *Bengal* is quoted at 8*s.* 6*d.*, *Madras* finger at from 10*s.* 6*d.* to 13*s.* per cwt., and bulb at 8*s.* to 8*s.* 6*d.*, according to quality. The quotation for *Cochin* finger is nominally 10*s.* per cwt., but good quality is not offering at present. Fair yellow *Chinese* finger is held for 10*s.* to 10*s.* 6*d.* per cwt.

Vanilla.—The heavy supply of 381 tins vanilla declared for auction will be offered to-morrow. It consists almost entirely of Seychelles vanilla, and is likely to be well competed for, as the demand has lately been very strong, especially for America. *Tahiti* vanilla, which could be bought at 12*s.* to 13*s.* per lb. recently, is now held for as much as 17*s.* per lb.

Various Drugs.—*Cannabis Indica* in large supply and neglected. Of 137 packages offered to-day, 25 bales, consisting of little besides dust and stalk, sold at 1*d.* per lb.; nice green tops were bought in at from 4½*d.* to 5*d.* per lb. *Cowhage*: 2 tins rather stony were bought in to-day at 3*d.* per lb. A parcel of 29 packages rather brown *Huanoco-coca* leaves was bought in at 8*d.* per lb. *Cascarilla* is held for high prices, and the 65 packages offered were all bought in: good bright partly silvery broken quill at 50*s.*, small rather dull grey mixed at 32*s.* 6*d.* to 40*s.* and fair siftings 24*s.* per cwt. Eighteen packages fair *Chinese cantharides* were bought in at 1*s.* 6*d.* per lb. Of 15 bags *Chiretta*, 10, fair to slightly damaged, sold at from 2*d.* to 2¼*d.* per lb. to-day. Good qualily *Cuscus-root* is held for 30*s.* per cwt. Three cases fair quality *Guarana* were bought in at 2*s.* per lb. The article is quite neglected. Twenty packages *Gum galbanum* were all bought in, partly blocky pale almondy mixed at 1*s.* 6*d.*; fair ditto at 1*l.* 1*d.*; ordinary dull drossy and seedy at from 6*d.* to 9*d.* per lb. Of *Gum ammoniacum* 3 cases were shown; 2 of these consisting of partly blocky, partly almondy seedy mixed sorts, sold at 22*s.*, and a lot of good almondy drop, partly block and seedy mixed, was bought in at 40*s.* per cwt. Of 16 cases *Kamala* 10 of good quality were bought in at from 7*d.* to 8½*d.* per lb., but 6 cases very ordinary sold cheaply at 3*d.* per lb. Of *Kola nuts* 29 packages were shown. Six bags fair broken realised 3½*d.* per lb. *Lime-juice*: 3 puncheons West Indian, much mixed with suspended matter, sold cheaply at 8½*d.* per gallon, which marks a decline in price. Of 16 cases *Gum mastich*, two sold at a decline of about 2*d.* per lb.—viz., 1*s.* 3*d.* per lb. for good pale drop. Several parcels of *Myrrh*, some of very good quality, were shown, but no business was effected. *Gum accroides*, an article now very little used, was represented at to-day's auctions by 57 cases "refined" yellow gum, in block, from Sydney. The parcel was bought in at a nominal price. Seventeen cases Chinese *Vermilion*, in small packets, "Wingkat" brand, unworked, were bought in at 2*s.* 4*d.* per lb. A quantity of Bombay *Sandalwood* logs was bought in at from 35*l.* to 42*l.* 10*s.* per ton. *Soy* remains very cheap. 20 casks good thick are limited at 10*d.* per gallon; 70 casks sold at from 9½*d.* to 9¾*d.* per gallon. Eleven bales bold, rather thick bark, catalogued as *Simaruba*, somewhat damaged, from Venezuela, are held for 9*d.* per lb.

Wax (Bees') showed no alteration in price at to-day's auction. Of *Jamaican* beeswax only 11 packages were offered, all of which sold at from 7*l.* 10*s.* for ordinary dark up to

3*l.* 5*s.* for fine bright orange. Six cases *Japanese* wax were bought in at from 6*l.* 5*s.* to 6*l.* 10*s.* per cwt.; while five packages *Brazilian*, mixed colours, sold cheaply, without reserve, at from 6*l.* 5*s.* to 6*l.* 7*s.* 6*d.* Of *Zanzibar* beeswax there was a poor supply, from 5*l.* to 5*l.* 17*s.* 6*d.* being paid for ordinary to good quality. One bag of very adulterated wax sold at 5*l.* per cwt. *Australian* wax realised 5*l.* 10*s.* per cwt. for good quality, and 5 cases *French* in yellow bars, "guaranteed pure," is held for 7*l.* 10*s.* per cwt. For ordinary *Mexican* wax 5*l.* 12*s.* 6*d.* to 5*l.* 15*s.* per cwt. was paid.

Wax (Japan).—Quiet, and only nominally steady, on the spot, at 38*s.* for fair to 40*s.* per cwt. for good pale squares. For arrival small sales are reported at 36*s.*, c.i.f. terms. At auction 50 cases were bought in at 40*s.* per cwt. for good pale squares.

Wild-cherry Bark.—Three bags of this drug, imported in September, 1894, sold to-day at 2¾*d.* per lb., subject to approval. They were old friends at the auctions, and will be much missed.

Heavy Chemicals.

There is little material change to report in the general condition of the heavy chemical market. The demand is perhaps rather quieter both for home and export, but prices on the whole are fairly well maintained, and, with the approach of spring and the re-opening of the Baltic ports, business, it is thought, will surely increase. *Caustic soda* has a weaker tendency, but up to the present there are no alterations in prices to note; still, owing to the increased production in America it is probable that lower quotations will rule ere long. *Bleaching-powder*, however, continues firm and in steady demand. *Sulphate of ammonia* quiet. Beckton terms, 7*l.* 11*s.* 3*d.*; Beckton, May–August, 7*l.* 11*s.* 3*d.*; Hull and London, 7*l.* 15*s.*; Leith, 7*l.* 13*s.* 9*d.* to 7*l.* 15*s.* Exports from Leith last week only amounted to 248 tons. *Sulphate of copper* remains somewhat scarce, but quotations are slightly easier; Anchor, 20*l.*, Liverpool, 19*l.* *Benzols* lower: 90-per-cent. prompt, 3*s.* 2*d.*; March–June delivery, 3*s.* 2*d.*; 50-per-cent. prompt, 2*s.* 10*d.*; forward, 2*s.* 9*d.* *Naphthas* firmer. *Cream of tartar*, powdered 85*s.*, crystals 83*s.* *Carbolic acids* dearer; crude, 60-per-cent., 2*s.* 4*d.*; 75-per-cent., 2*s.* 8*d.*; crystals, 39–40° C., 8*d.* to 8¼*d.*; 34–35° C., 7½*d.* Brown and white *Acetates of lead* firm, and quotations higher by 10*s.* per ton. *Nitrate of lead* has also advanced slightly, and is firm. *Aniline salt* and *oil* are a trifle lower, and stand now at 8*d.* and 9*d.* respectively. South Durham *Salt* steady and in demand. Recovered *Sulphur* firm, owing to scarcity. Yellow *Prussiate of potash* moving freely. *Hyposulphite of soda* in better request at unchanged rates. *Chlorate of potash* is dull, and *Chlorate of soda* slightly easier. *Nitrate of soda* quieter; refined, 8*s.* 3*d.*; ordinary, 8*s.* 1½*d.* A fair business is being done in green *Copperas*. *Linseed* and *Cottonseed cakes* quietly steady. *Phosphorus* wedges and sticks selling freely. *Carbonate of magnesia* in poor request. White powdered *Arsenic* still in short supply. *Sulphate of alumina* of purest qualities in request. *Alum* quieter.

The Liverpool Drug-market.

Our Liverpool correspondent, writing on February 17, says that the demand for *Kola-nuts* has been much better during the week. Large sales have been effected at prices varying from 2½*d.* to 3¾*d.*, and there is a prospect of even better figures being realised in the near future. *Canary-seed* is attracting more attention, and considerable parcels have changed hands at 27*s.* to 28*s.* per quarter. *Gum acacia* is in only moderate request, but the leading qualities are in rather small supply. Soudan sorts are fairly steady; we have no alteration to note in the quotations. Medium kinds are still scarce, the selection here at present being limited to Niger and Brazil. *Castor oil* is in a much better position for the week, sales of good seconds Calcutta being effected at 3*d.* per lb., and first-pressure French is now fetching the same figure, with Madras good seconds still being held for 3¼*d.* Some sales of Bombay have been made at 2¾*d.* per lb. Business has been passing in *African ginger* of the old crop at 21*s.* and new season's at 20*s.* per cwt. Sierra Leone *Chillies* have been in good request; several parcels of the new crop fetched 35*s.* per cwt.

The Hamburg Drug-market.

Our Hamburg correspondent writes on February 16:—"Business is still quiet here, as the frost continues and delays the reopening of the navigation into the interior. Our drug-market shows very few changes since last week. Japanese isinglass (*Agar-agar*) is somewhat lower, and was offering to-day at 275m. to 270m. per 100 kilos. *Arsenic* is unchanged and firm. *Balsam Peru* is a little firmer, at 17½m. to 18m. per kilo., while *Balsams* of *copaiba* and *tolu* are unchanged at last week's prices. *Borax* is held here at 39m. to 40m. per 100 kilos., while English borax was offering at 35½m. for forward delivery. *Camphor* (*refined*) is steady at 290m. per 100 kilos., but there is only little business doing in this article at present. *Coriander-seed* is quiet. Mogadore quoted 13m. per 100 kilos. *Star-anise* dull at 170m. to 175m. per 100 kilos. *Russian anise* unchanged at 28m. to 29m. per 100 kilos. *Glycerine* shows a very quiet market with little business. *Honey* shows a fair demand for Chilian pile II. and III., which have been sold for shipment at equal to 41m. to 42m. per 100 kilos. *Menthol* is almost unchanged at 15m. spot and 14½m. per kilo for shipment. *Peppermint oil* is quiet for HGH at 7m. to 6¾m., Todd at 6¾m. per lb., while Japanese peppermint oil is firmer at 6½m. spot and 6¼m. per kilo. for forward delivery. *Citronella oil* is unchanged, at 260m. to 265m. per 100 kilos. *Cassia lignea* continues very firm, at 76m. per 100 kilos. for new crop and 82m. to 86m. for prime old Cassia. *Cinnamon* a little firmer; 9¾*d.* to 10*d.* was asked for shipment from Ceylon. *Castor oil* on spot is scarce, and costs 62m. per 100 kilos. for French oil of first pressing; March delivery is offering at 61m. *Spirits of turpentine* are firmer, at 44m. per 100 kilos. delivered here. *Spermaceti* is unchanged, at 315m. to 320m. per 100 kilos. *Cod-liver oil* very quiet and slow of sale; 1896 non-congealing oil is quoted 96m. to 100m.; 1897, 100m. to 105m. per barrel. Newfoundland *seal-oil* is dull, white at 48m. per 100 kilos. in barrels. *Wax* (*Japan*) scarce on the spot, at 78m. to 80m. per 100 kilos. *Carnauba wax* is steady; the owners of the new arrivals ask 90m. to 95m. per 100 kilos. for grey, 125m. to 135m. for medium, and 170m. to 185m. for fine yellow quality.

The Amsterdam Drug-market.

Our Amsterdam correspondent states that the position of the cinchona-market is firmer, and that reports from Java indicate that the exports are likely to be very moderate in future. On February 25, 4,850 bales and 494 cases of Java cinchona will be offered in Amsterdam. These represent an aggregate weight of 483,139 kilos., and contain 24,212 kilos. of sulphate of quinine, an average for the manufacturers' barks of 5·26 per cent. The auction will, therefore, be much smaller than that of January 21, when 5,378 packages of bark were offered. *Cassia fistula* is quite neglected and the position is unchanged. On February 23 there will be a large public sale, consisting of 220 tons of various quality and about 6½ tons of pulp. In *Cubebs* there has been a considerable movement lately, about 1,000 bales having changed hands during the past few weeks, partly for export and partly for speculation, the prices of which run from 17½c. per half-kilo. for fine cultivated down to 8c. for common quality. Owners appear to be confident that the market will improve, but up to the present there seems to be little genuine faith in the position of the article. For fine and superior grades of *Sumatra benzoin* there is a good demand, but the supply is very small. Medium and common kinds are neglected and offering plentifully.

The Smyrna Opium-market.

Our Smyrna correspondent writes on February 5 that the demand for opium has again been very active, and although the orders were distributed in various quarters the prices of ordinary *Talequale* grades have slightly given way, whereas good qualities have been well maintained. The total sales for the week ending February 5 were 100 cases *Current talequale* at 8*s.* 5*d.*; 85 cases *Talequale Karahissar* at 8*s.* 6*d.*; 30 cases fine *Karahissar* at 8*s.* 7*d.*, and 13 cases *Yerli talequale* at 8*s.* 8*d.* per lb., f.o.b. All these lots were bought for exporters. The market closes rather firm with buyers. Since the opening of last season the arrivals amount to 2,220 cases, against 3,046 cases in 1895–96. The weather remains very favourable for the growing crops.

Correspondence

Notice to Correspondents. *In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

Pure Essence of Lemon.

SIR,—I am in a position to confirm the statement put forward in your issue of last week by Messrs. Typke & King that "pure essence of lemon will keep good for a considerable time." Moreover, it will do so though no special care be taken to exclude light. &c. In February, 1890, I had the opportunity afforded by Messrs. Chas. Southwell & Co., importers of lemons for confectionery purposes, to collect myself several ounces of the oil from Messina fruit. Since then this oil has been kept corked in a green glass bottle, and to-day it possesses a finer aroma and flavour than even that of one of the best-known Palermo brands of this season's shipment (1896–97), samples of each of which I enclose.

As I have not met with any imported essence that has the same keeping properties as that of my own extraction, I am forced to believe that adulteration is generally practised, and to expect the development, more or less, of the "turpy odour." The sp. gr. of my oil, examined to-day, was ·862 at 15° C. Its optical rotation, viewed in a 200 mm. tube, was +123°. I am, yours truly,

Jacob Street, Dockhead, S.E., H. H. ROBINS.
February 15.

[We are indebted to Mr. Robins for samples of his 1890 pressing and this year's brand referred to. The former was unhesitatingly selected by an essential-oil expert as the better. It is decidedly finer—*i.e.*, more aromatic—than the fresh oil, and *less* "turpy."—ED. *C. & D.*]

Defendants' Cases.

SIR,—I see you last week reported a Stamp Department prosecution, the result of which was that I was fined 2*l.* for using a slip label—cough, fever, and bronchitis mixture, with dose, name, and address. There ought to be an appeal, as there is no telling what will be the next move on the part of the Department. They have already far exceeded any powers ever granted or intended when the Act was passed—passed as it was, and applied at the time—to put a stop to a certain state of things that had arisen some seventy or eighty years ago. There was an important case in the Law Courts at the end of last year, argued before five Judges, an exactly parallel case to this —I allude to the betting-house case of Hawke *v.* Dunn. Mr. Bigham, Q.C., said "that the Act was meant and passed to apply to a certain state of things that had arisen nearly fifty years ago, and the first thing to remember was that this was a penal Act, therefore it must be construed strictly," expansions not being admissible. Now the Stamp Department barrister did not prove, or try to prove, in what way my label was liable, but he stated that the Commissioners claimed the right to construe the Act otherwise than strictly, and held the label liable, and the Magistrate decided accordingly. I have no doubt an appeal would upset the decision, but I have done all I can afford to ascertain how we stand; and if I were guaranteed the expenses I would go to the trouble of appealing now, but in any case I shall be glad to combine with other chemists to curb the mischievous and unwarranted interference of these servants of ours, who will find plenty of work now that they have publicly shown their intention of expanding the Act to cover nearly every label we use. I am, yours truly,

52 New Kent Road, S.E., ROBERT WILLSON.
February 17.

Mr. John Painter, of Malmesbury, who was fined under the Sale of Food and Drugs Act last week in respect of tincture of rhubarb and camphorated oil deficient respectively in spirit and in camphor, sends us a long letter embodying apparently the defence he put before the magistrates. The argument is that spirit and camphor are both volatile. Mr. Painter concludes his letter thus: "I think we should form a good large protection society amongst all the wholesale druggists, patent medicine, sundry houses, manufacturers, and retail chemists throughout the kingdom, as it concerns the makers, *i.e.*, the wholesale traders, as much, or more so, than the retailers, and if the chemist is to be prosecuted or persecuted, and not allowed to live, how can the wholesale men prosper?"

Mr. Painter must surely see that a society formed with the object of enabling chemists to sell medicines deficient in quality would not be much credit to British pharmacy.

Advertising Ideas.

SIR,—As a sufferer from Messrs. Oppenheimer's system of doing business, I should like to relate my experience of the way in which their depôt-plan injures the business of those who, although, like myself, keeping a stock of their preparations, are not "blessed" with the title of "depôt." A customer when paying her account last week apologised for the amount being much smaller than usual. She stated that her medical man, having ordered a special preparation—a certain bipalatinoid—had recommended her to procure it from a certain shop, one of Messrs. Oppenheimer's depôts, and having had to take a course of the medicine, she had, at various times, procured other articles while obtaining her supply of the bipalatinoids. Here is proof, therefore, of what Mr. Forret refers to in your issue of last week—viz., that Messrs. Oppenheimer's representative has been "able to induce medical men to send their prescriptions into certain establishments."

Will you kindly permit me to ask Messrs. Oppenheimer a question? What harm have I done them that they should injure my business thus? I am, yours sincerely,

Edinburgh, February 13. CLAUDE F. HENRY.

SIR,—Although I do not happen to be one of the "other chemists," I take this opportunity of replying to your correspondent, Mr. J. A. Forret.

I have for some time been chief West-end depôt for Messrs. Oppenheimer, Son, & Co.'s preparations, almost exclusively for dispensing purposes.

I fail to see what would be the use of any agency or depôt, unless everything that can be is done to make it a success.

That it does not have the effect that your correspondent anticipates is proved by the number of orders I daily receive from the other chemists, who could, if they wished, obtain the goods direct.

I am, Sir, yours faithfully,

327 Oxford Street, London, FRANK A. ROGERS.
February 16.

SIR,—We, acting as depôts both for Messrs. Oppenheimer and Messrs. Burroughs & Wellcome, think chemists should rise above petty jealousies, and look upon the system from a fair and businesslike standpoint. The facts of the case stated briefly are:—

They (the manufacturers)
- (*a*) Create the demand through the medical profession.
- (*b*) Fix a depôt where a large stock must be kept.
- (*c*) Protect the retail price.

We (the depôts)
- (*d*) Buy and pay for a large quantity of fresh stock.
- (*e*) Keep the goods on view and take an interest in their sale.
- (*f*) Always supply their articles when asked for, and never push our own against them.

It is an advantage to act as depôt for these firms, provided the chemist acts up to the spirit of the arrangement, and we think he is entitled to benefit for being abreast of the times, for his interest in the articles, and for his fearless outlay of capital to meet the advances in pharmacy. Would every chemist in a town or district be wise in laying in a

large stock of these articles? Each can order any he requires. These manufacturers have shown a friendly feeling for the trade which others might well take a lesson from with mutual benefit. Yours truly,

6 Seven Sisters' Road, Holloway, N., LANE & FOOT.
February 15.

Another London firm, who, however, do not allow us to publish their name, state that they were about the first to invest their money in the products of certain manufacturers of fine pharmaceutical preparations. They say they have not been disappointed in the results. "The traveller of those houses, knowing that we held the goods in stock, told the doctors, and we had prescriptions that would not have otherwise come to us.

"We have also made many medical friends owing to our enterprise in this matter, who send to us, well knowing that prescriptions for any up-to-date pharmaceutical products can be filled without delay. Other friends had the same opportunity. Are we to blame because we have taken the biscuit and our other friends are left hungry when they have not troubled to take it while offered to them?"

LEGAL QUERIES.

We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in THE CHEMISTS' AND DRUGGISTS' DIARY, *and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

48/37. *Ignosco.*—Ferrocyanide of potassium is not regarded as a poison within the meaning of the Pharmacy Act.

48/20. *A Victim* (Edinburgh).—Your card is anonymous, and your legal advice is inaccurate.

46/30. *Woolfat.*—You are not justified in using the trade-mark "Lanoline" without the consent of the proprietors, even though it is their product you are selling.

16/11. *Buchu.*—Neither tinct. gelsem. nor iodoform is on the Poisons Schedule.—47/20. *Sapo.*—Tr. sabadillæ is not on the Poisons Schedule.

We object to reply to questions of so crude a character as these. Anyone in the drug-trade who finds it necessary to ask them should at once buy a copy of our "Pharmacy and Poison Laws," 2*s.* 6*d.*

47/41. *Quiscus.*—A medical man is liable to a penalty, like everybody else, under the Excise laws, if he, being unlicensed, sells an excisable wine to his patients.

47/28. *Ireland.*—The Irish qualification is accepted in Cape Colony. It does not meet the requirements of advertisers who write for "Minor men."

47/61. *Inquirer.*—We understand that analysts in this country have failed to find morphia in Steedman's powders. Whether they or the Australian doctors are right we cannot say. It is, as you say, a matter for the Pharmaceutical Society to deal with. The presence of anything like a dangerous dose of cocaine in coca-wine would, we agree, bring the wine under the Pharmacy Act.

45/72. *T. W.*—The prohibition of the use of the Royal arms is found in the Patents Act, 1883, sect. 106, which provides that—"Any person who, without the authority of her Majesty, or any of the Royal Family, or of any Government Department, assumes or uses in connection with any trade, business, calling, or profession, the Royal arms, or arms so nearly resembling the same as to be calculated to deceive, in such a manner as to be calculated to lead other persons to believe that he is carrying on his trade, business, calling, or profession, by or under such authority as aforesaid, shall be liable, on summary conviction, to a fine not exceeding 20*l.*" When the Bill in which this section came before Parliament, the Pharmaceutical Council were informed from the Solicitor-General's office that it was not intended to interfere with the use of the Royal arms on labels, show-carboys, and the like; and it is clear that the offence consists in using the arms in such a way as to lead persons to believe that the user has been specially authorised. There have been no actions brought for the merely ornamental use of the arms; but we cannot say that the Solicitor-General's intimation of intention in 1883 would be of much avail in 1897.

49/43. *Assistant.*—The Registrar requires from every candidate for the Minor examination a declaration that he has been for three years practically engaged in the translation and dispensing of physicians' prescriptions. It is not essential that this period should be served with a registered chemist, but the declaration has to be signed by a pharmaceutical chemist, or chemist and druggist, or medical practitioner.

49/34. *R. W. B.* writes:—"In view of a store opening in my neighbourhood, I propose to advertise as follows: 'Only pure drugs supplied, at the lowest prices. Store quality not kept.' Should I render myself actionable by so doing?" [The advertisement would be, in our opinion, an unwise one to publish. It would be open for the store against which the insinuation was directed to apply for an injunction against you in respect to it, and if it should appear clear that the announcement was intended to injure that store, it is very likely the injunction would be granted.]

MISCELLANEOUS INQUIRIES.

We reply to our subscribers and their employés only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries are not replied to by post.

Notice to Querists.

33/37. *Learner.*—**Calendulated Boric Acid.**—We have no formula for this.

To Powder Asafœtida.—Melt it on a water-bath, add ½ oz. calcined magnesia to each pound, mix well, cool, and powder.

Losses on Drying.—Tartaric acid and bicarbonate of soda lose only adhering moisture, which should not exceed 1 per cent., but may be more, if the atmosphere they are kept in is very damp. Borax loses 47 per cent. of its weight when dried.

39/13. *Medical Student.*—The substance is of the nature of linoleum with glue in it. A complete analysis of the stuff would not interest us in the least—*i.e.*, supposing you expect us to do it for you.

37/43. *Tinctura.*—**The Best Remedy for Rheumatism** is salicylate of soda in 10 gr. doses.

38/51. *A. J. P.*—**Book on Alcohol Factors.**—Dr. Thomas Stevenson's "Treatise on Alcohol" (Gurney & Jackson, 3*s.* 6*d.*) meets your requirements. If you know the percentage of proof spirit you need not be told how much it is o.p. or u.p.—105 per cent. proof is 5 o.p., 95 per cent. 5 u.p., and so on.

44 56. *Rhutra.*—The item has already been noticed in THE CHEMIST AND DRUGGIST.

42/67. *J. H. Brookes.*—**Manufacture of Bone-manure.**—If it is desired to save the gelatine in the bones, they are crushed and treated with water; otherwise, the bones are calcined in a kiln, whereby the cartilaginous tissue is destroyed. On cooling, the bones are crushed, and the ash is treated with two-thirds of its weight of sulphuric acid. You must, of course, refer to such a book as Griffith's "Manures" (Whittaker, 10*s* 6*d.*) for full details, or Dyer's "Fertilisers and Feeding-stuffs" (Crosby Lockwood, 1*s.*) may suit you.

42/17. *Kino.*—**Digestive-syrup.**—See the *C. & D.* DIARY, 1897, page 483.

44/32. *Anxious.*—We know of no **Australian Borax** at about 14*s.* per cwt. We do not think you can purchase cheaper at present than from one of the English makers or through a London jobber.

42/5. *Embrocation.*—Formula No. 3 under "Lin. Alb.," page 277 of the *C. & D.* DIARY, will suit your label.

41/66. *F. H.*—We have not the slightest idea what you mean by "rennet for thickening coffee." Rennet is a ferment that curdles milk, a fact of which you seem to be aware, but we expect that the stuff to which you refer is an acid of some kind. If you want to thicken coffee-essence use powdered tragacanth or gelatine, preferably the former. Brewers use a stuff called viscosine, which would be equally suitable.

40/72. *W. E. P.* (Geneva).—**Sponge-powder.**—Dried sodium carbonate (or crystal carbonate), with 5 per cent. of sodium metasulphite (or 10 per cent. of the sulphite).

43/69. *W. T.*—**Tobacco-water** (or juice) is obtained as a by-product in the manufacture of tobacco, and is duty-free. See our DIARY, page 258. The wholesale price of it is 2*s.* 6*d.* per gallon (see page 610). Of course you could not manufacture as strong a juice as that from duty-paid tobacco for less than three times the price.

26/74. *J. T.*—**Linseed, Liquorice, and Chlorodyne Lozenges.**—We have no working formula for the solution of these, and can only suggest the following:—

Chloroform	ʒv.
Ol. menth. pip.	♏xx.
Ol. anisi	♏xx.
Tr. capsici	℥ss.
Tr. opii	℥j.

Mix and add to the following mixture previously prepared:—

Ext. glycyrrhizæ	℥j.
Inf. lini triplicis	℥vj.

Shake well.

Of this mixture use 1 oz. for each pound of sugar employed, massing with thick acacia mucilage in the ordinary way.

43/73. *Celand.*—**Best Way of Extracting the Virtues of Celandine** is to squeeze it. The juice is the active portion, and the medicine generally used. See *C. & D.*, January 9, page 71, and January 23, page 136.

44,41. *S. W. P.* or *T. G. D.*, or *Inquirer.*—The last is not a good *nom de plume*, but it is better than the initials of somebody else than yourself, and one name is good enough for us. We supply the numbers. (1) **Swollen Feet through Standing.**—Bathe them in salt-and-water at bedtime, and rest more. (2) What does your nervousness proceed from? If poor health, take half a teaspoonful of Easton's syrup thrice a day. (3) We have your third letter (48/35, *Vox*). Read the article on "The Cough-mixture," January 9, and take the first prescription.

44,7. *W. H. L.*—**Combined Toning and Fixing Bath.**—See the 1896 DIARY, page 392. "Our Country Cousin" recently sent us the following note on this matter:—There appears to be a leaning towards combined toning and fixing baths at present, no doubt owing to the saving of labour; but toning and fixing separately has always been held to yield a more permanent photograph. Here is a good formula for a combined bath which the chemist can run as a speciality of his own:—

Hyposulphite of soda	3½ oz.
Pure acetate of lead	½ oz.
Distilled water up to	15 oz.

Dissolve, and add—

Best chloride of gold 3 gr., dissolved in 5 oz. of distilled water.

Shake well, let stand twelve hours, and decant.

LABEL.—Place prints, without previous washing, in this bath, and allow to remain in twelve or fifteen minutes; then wash. If a warmer tone is desired, remove prints in six or eight minutes, and complete fixation in a hypo-bath (2 oz. in pint); then wash in usual manner.

Put up in amber or blue glass bottles, 10 oz. 1*s.*, 20 oz. 1*s.* 9*d.*, or you may utilise empty 1-lb. carbolic-acid bottles for it, charging 1*s.* 6*d.* for this size.

36,63. *Hab.*—The Instantograph is a very good camera for a beginner, and for the price one of the best. See our Town Traveller's notes.

45/2. *H. W. Shepherd.*—We cannot say. It is not in our line at all.

44/34. *G. A. Barnes.*—Ol. Gossypii is cotton-seed oil. Ol. Viridis is oil of elder-leaves.

44,72. *Aerated.*—**Syrup of Lemon** (for seltzogenes).—We have used the following with success:—

Oil of lemon	♏xx.
Rectified spirit	ʒiv.

Dissolve and add—

French chalk	ʒj.
Water	℥j.

Shake occasionally, and filter into the following syrup:—

Sugar	℥xij.
Citric acid	ʒj.
Water	℥vij.

Mix.

One ounce of tr. limonis recent. does just as well as the oil-solution.

47/32. *Ginseng* (China).—**Incandescent Gas-burners.**—See a note on this subject in our issue of December 26, 1896, page 928, from which please observe that it is covered by letters patent.

46/34. *Adeps.*—**Artificial Lime-juice:**—

Citric acid	℥iv.
Tartaric acid	℥j.
Tr. aurantii	℥iv.
Granulated sugar	lb. viij.
Water	Oxij.

Dissolve.

This will not keep without the addition of a preservative. One of the best is salicylic acid—in fact, the only feasible one in this case. Use ʒiss., and dissolve it in the hot syrup.

47,44. *Hypo.*—(1) The liquor carnis referred to is Caffyn's, or any similar preparation. (2) By "pint" on this side of the border we mean 20 oz. So far as the wine-essences are concerned, we should put them up so as to be available for a bottle of wine—*i.e.*, remove a glass of the wine from a bottle (26 oz.), and add the essence.

48/37. *Ignosco* (N.B.).—(1) **Riga Balsam.**—When this is asked for in Scotland tr. benzoin. co. is given. (2) **Obscuring Windows.**—Wash with saturated solution of alum, and, when dry, varnish. Or dab with putty.

38/66. *H. H. Maidment.*—**Diary Competition.**—The question was "Which advertisement occupying a page," &c. We take page 80 to be an advertisement of Day's Oil of the Night, and page 81 an advertisement of something else. The voters seemed to think so too.

48 5. *Stickphast.*—**Label-paste.**—The coloration of your labels is really due to the paper not being a pure rag paper. That, however, is a matter over which you have no control. We have yet to find a paste which is, all round, more satisfactory than the following:—

Powdered tragacanth	3 oz.
Powdered acacia	2 oz.
Glycerine	1½ oz.
Water	3 oz.
Perchloride of mercury	48 gr.

Mix in a mortar and add with constant stirring—

Boiling water	30 oz.

When cold add 50 drops of oil of cloves.

As much as 40 oz. of boiling water can be used without impairing the adhesive properties of the paste.

16/9. *Pirate's Lair.*—**Rosaniline and Cold-cream,** "to give a nice tint to the skin" (according to Piesse). Now, why did "Pirate's Lair" not do a little experiment before putting that query, then write to us in the following strain:—"Piesse says that rosaniline added to cold-cream gives a nice tint to the skin, but he does not say how much

rosaniline. I have tried it thus:—Dissolved 5 gr. of rosaniline in 2 dr. of water; 10 drops of this, added to 1 oz. of cold-cream, gave a preparation which imparted a healthy look to an anæmic skin; 30 drops gave the tint of a pale blush rose, &c." We should be glad to experiment for "Pirate's Lair," and subscribers generally, but have not time this week. Will he please try, and let us know the results?

43/3. *Inquirer* (co. Leitrim).—**Pennyroyal** is aromatic, tonic, and a uterine stimulant. It is for the last purpose that it is chiefly used. (2) **Hair-lotion.**—No. 1, page 293.

48/66. *Weevil.*—In the case of **Weevils in Bins,** after applying the corrosive-sublimate solution allow to soak in for a day, then wash the bin with a boiling solution of carbonate of soda, and lastly with water.

48/18. *Petrolei.*—Is it something like 32/26, page 292, you want? Please be specific.

48/30. *Camdux.*—**Naphtha Coloured Green with Aniline.**—You do not say whether it is wood-naphtha or shale-naphtha. We suppose the latter; if so, shake each gallon with acetic acid 2 oz. and sulphuric acid ½ oz., previously mixed carefully and cooled. After the acid treatment shake with water and decant the oil. This should make it all right.

INFORMATION SUPPLIED.

Subjoined are notes and formulæ received from subscribers. Similar information is always welcome.

Rev. Newman Hall's Dipsomania-cure.—In your issue of January 30 I was interested to see the above, as I distinctly recollected having had the prescription presented to me, but with two "abstracts" in addition which I was unable to provide. As the credit of the physician is, in my opinion, more likely to be saved by the last ingredient than by the spirit of nutmeg, I give it you below, with its footnote, as it was presented to me:—

"When the craving for drink is strong, drink hot water or try the following:—

Sulphate of iron	5 gr.
Sulphate of magnesia	10 gr.
Peppermint-water	11 dr.
Spirit of nutmeg	1 dr.

Add an equal quantity of
Earnest prayer and resolute will.

A quantity of the above was made up in a pint-bottle, for 2s., for D. S., who took a small glass night and morning, and it proved successful."

By a curious coincidence I find it dated January 30, 1895. I need scarcely add that as I did not wish to impair its efficacy I charged 2s. Yours, &c.,

H. H. Gourlay.

Tomato-paste Made by the Italian System.—The recipe for this was published in *Chambers's Journal* for December 12 last; but I will give your correspondent the particulars. Select quite ripe tomatoes, rub them through a hair sieve, which will retain all the skin and seeds. Then hang up the pulp in a coarse cloth, when nothing but colourless juice will pass through, leaving a stiff mass behind. When nearly dry mix up this solid pulp with salt—nearly 1 oz. to a pound—spread upon plates, which expose to the sun, and do this day by day until hard enough to store away for use.

W. H. C. (48/41.)

INFORMATION WANTED.

The Editor will be obliged for replies to the following from any who can furnish the information.

44/67. Address of maker of Jansen's granulated pepsin.

42/21. Hasbra tea for obesity: what is this?

45/25. A market for clean used corks.

50/96. Fillers of gelatine capsules for the trade.

Coming Events.

Notices of Association and Society Meetings will be inserted in this section free of charge if we receive intimation of such meetings by Wednesday of the week previous to that in which the meetings are to be held.

Tuesday, February 23.

Royal Photographic Society, 12 Hanover Square, W., at 8 P.M. Mr. T. R. Dallmeyer on "The f/6 Stigmatic Lens and the New Astigmatic Corrector." Mr. F. E. Ives on "The Perfected Krōmskōp."

Nottingham and Notts Chemists' Association. Annual Dinner, Albert Hotel, Derby Road, Nottingham, at 8 P.M. for 8.30. Tickets 3s. 6d. each, to be obtained from Mr. A. Eberlin, 2 Chapel Bar.

Royal Institution of Great Britain, Albemarle Street, W., at 3 P.M. Professor A. D. Waller on "Animal Electricity."

Edinburgh Pharmacy Athletic Club. Annual General Meeting in Pharmaceutical Society's House, 36 York Place, at 9 P.M.

Wednesday, February 24.

Brighton Junior Association of Pharmacy, Newbury Hall, at 9 P.M. Debate on the "Proprietary Articles Trade Association."

Midland Chemists' Assistants' Association, Exchange Rooms, Birmingham, at 9.15 P.M. Continued Discussion on Mr. R. D. Gibbs's Paper on "Dispensing Charges."

Plymouth and District Junior Chemists' Association, at 8 P.M. Ladies' Night. Lecture on the "Röntgen Rays" (illustrated), by Dr. W. Cheyne Wilson, at Plymouth Technical Schools.

Society of Arts, John Street, Adelphi, W.C., at 8 P.M. Sir H. Trueman Wood on "Photography in Colours."

Society of Chemical Industry, Nottingham Section, University College, Nottingham, at 7.30 P.M. Business: (1) Discussion on Mr. R. M. Caven's paper on "Some Properties of Certain Metallic Phosphates" (Society's Journal, pages 29-30). (2) Note on "Explosibility of Liquid Acetylene" by Professor F. Clowes, D.Sc. (3) "Apparatus for Estimating the Dissolved Gases in Water" by Professor Clowes, D.Sc.

Thursday, February 25.

Chemists' Assistants' Association, 103 Great Russell Street, W.C., at 9.15 P.M. Messrs E. H. Farr and R. Wright on "Some of the Alkaloidal Assays of the B.P."

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 9.15 P.M. Communications by Mr. Alex. Sutherland (on "Accuracy") and by Mr. George Lunan.

Friday, February 26.

The School of Pharmacy. Students' Dinner at the Holborn Restaurant (Queen's Hall). The chair will be taken by the Dean, Professor Greenish. Tickets, price 5s., may be obtained of the Honorary Secretary, Mr. T. P. Tebbutt, 17 Bloomsbury Square, W.C.

Aberdeen Junior Chemists' Association, 21 Bridge Street, at 9.30 P.M. Magazine Evening.

Royal Institution of Great Britain, Albemarle Street, W., at 9 P.M. Lieut.-Col. C. R. Conder on "Palestine Exploration."

The Fellows of the Chemical Society and their friends are to dine together at the Criterion Restaurant on Wednesday, March 31, after the anniversary meeting. The price of the tickets will be one guinea each, including wines, and applications should be addressed to the Assistant-Secretary, Chemical Society, Burlington House, W.

Röntgenography has been used in the examination of patients suffering from pleurisy, and it has been found that the cavity filled with the effusion presents a dark sombre tint contrasted with the clear aspect presented by the healthy pleura.

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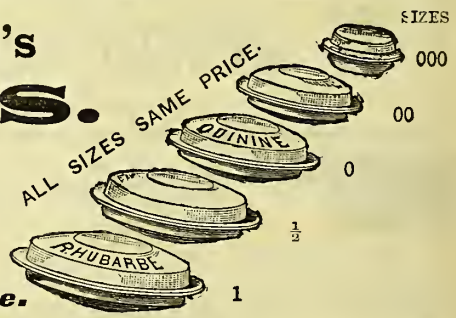

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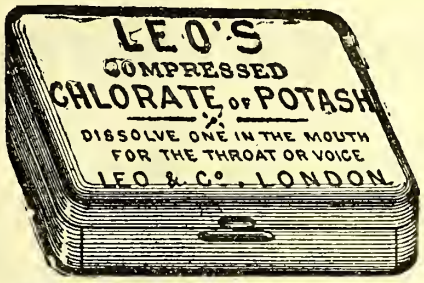

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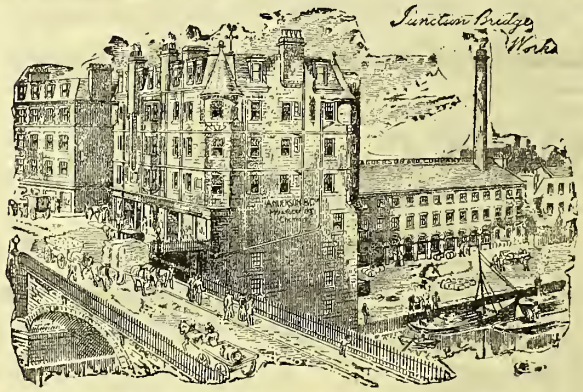

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68. "Little" Aperient .. 400. "Little" Antibilious 412. "Little" Cough .. 410. "Little" Liver ..	0 7	0 6	0 5

TERMS.—Net for Cash with Order, Carriage Paid in Great Britain and Ireland.
50 Gross Order, 7½ per cent., 100 Gross Order, 10 per cent. Discount.

QUALITY OUR STRONG POINT.

WAND, Pearl-Coated Pill Factory, LEICESTER.

They stand alone in their might.

The "GIANT" Remedy,

BOX'S PILLS

Re-christened by the Americans

"THE GREAT ENGLISH REMEDY,"

Grapple with and triumph over disease with perfect ease.

Price 1/1½, 2/9, 4/6, 11/-, and £1 1s. per box.

Prepared by

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KREWEL'S PILLS.

THE FINEST BLOOD-FORMING TONIC.

SCIENTIFIC ORGANIC SPECIFIC.

Only Genuine if bearing our Trade Mark and Signature (Regd.).

Krewel & Co

PRINCIPAL FEATURES.—Does not interfere with Digestion. Stimulates the Appetite. Fortifies the System. Enriches the Blood. Unrivalled for Anæmia, Chlorosis, Poorness of Blood, General Debility (either constitutional or the effect of severe illness, Influenza, Malaria, &c.), Loss of Appetite, Nervous Disorders.

This Natural Iron Preparation contains Iron and Manganese in an easily soluble and digestible form, the Whole of the Natural Blood Salts, and freshly peptonised Muscular Albumen.

In Bottles containing 50 & 100 Pills, to Retail at 1 9 & 2 9

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DR. SCOTT'S BILIOUS & LIVER PILLS.

The Proprietors of the above well-known Pills have decided in the interest of the Retail trade to stop all further cutting and allow a reasonable profit, and in so doing hope to secure the goodwill and co-operation of all respectable Chemists and Druggists.

A GOOD PILL and GOOD PROFIT.

1/1½ size	Wholesale Price,	*10/-*	per dozen.
„ „	Minimum Retail Price,	*1/-*	„ box.
2/9 „	Wholesale Price,	*24/-*	„ dozen.
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The proprietors will be obliged if Chemists will report all cases of Cutting to

THE SECRETARY, PROPRIETARY ARTICLES TRADE ASSOCIATION,

2 and 3 STONECUTTER STREET, E.C.,

who will see that the Cutting is stopped or supplies withheld.

Messrs. LAMBERT & CO. will be pleased to supply Handbills, with Name and Address, CARRIAGE PAID, on receipt of Business Card direct to 173 Seymour Place, London, W.

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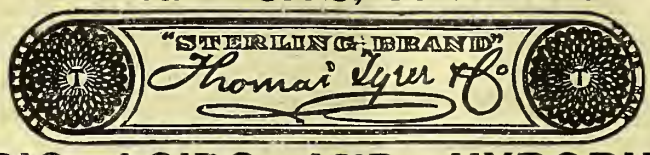
Stirling Chemical Works, Stratford, London, E.

DIRECTOR OF LABORATORIES



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PHOSPHORIC ACIDS AND HYPOPHOSPHITES,
Hydrogen Peroxide and Pure Acids, Bismuth, Mercurial and Iron Salts, Granular and Scale Preparations, Ethers, Essences, Spirits (in Bond). [3/5]

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Wholesale Druggists, Manufacturing Chemists, and Druggists' Sundriesmen,

CAPE TOWN, PORT ELIZABETH, AND EAST LONDON.

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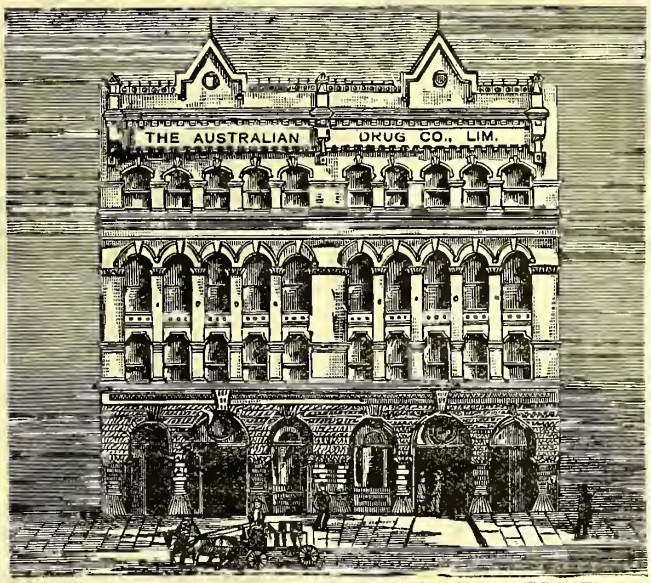

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COD-LIVER OIL.

SEASON 1897.

This Cod-Liver Oil is pure, stands the cold without solidifying, and is quite sweet, with an agreeable odour of the fresh liver. It is the FINEST oil, with the least possible colour, taste, or smell.

An assortment of artistic Labels, with Chemist's Name and Address, free.

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SELLS AT SIGHT.

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Wherever introduced has become a general favourite, giving universal satisfaction to both buyer and seller, commanding an increasing sale through personal recommendation.

Bears a larger profit than a fancy bottle, without the trouble of filling.

It is the best-got-up Shilling Article in the market.

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Artistic Show Cards and Printed Matter from

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BLEASDALE, LIM. YORK.

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Managed by Chemists.

WRITE FOR PRICE LIST.

Only your **Name** and **Address** on a postcard sent to us will bring you by return our

SPECIAL LIST WITH ***SPECIAL*** QUOTATIONS.

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First Established

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PERFUMED TOILET SOAPS.

These Soaps are of the highest quality, free from all injurious compounds, very nicely Perfumed, and got up in a very saleable way. Each Tablet is wrapped, and there are 12 Tablets in a Counter Case, with Show Card on hinged lid. No Proprietor's name appears on these Soaps.

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6d. The "CATHEDRAL" Soap	.. ,,	3/2

Chemists and Perfumers who desire to cultivate a higher class of trade will find the above Soaps much liked by persons who do not care for the many common Soaps now on the market.

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This is neatly put up in Aluminium Bronze Tins, printed in blue. See facsimile (reduced). Two sizes.

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PURE REFINED BEESWAX.

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In 2 lb. cakes in cases of about 130 lbs.
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French Refined, in 1-lb. cakes in cases of 130 lbs.

PURE WHITE BEESWAX.

"W. H. B."

IN CASES OF 54 LBS.

In round cakes in 2-lb. parcels, or in oblong cakes loose.
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Plain blocks of 7½ lbs. in cases of 250 lbs.
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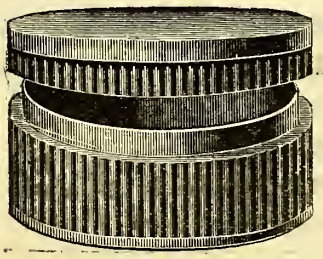

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IN TERRA COTTA, CHOCOLATE, AND BLACK.

The Grease-Proof Covered Pots have perfectly-fitting lids, are practically unbreakable, and the only articles really answering the purpose intended.

To be had of all Druggists' Sundriesmen. Wholesale only of the Company.

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(Established over 60 Years),

Manufacturer on the Premises of

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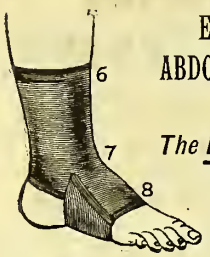

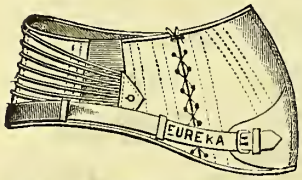

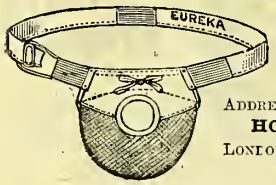

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THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

3 & 4 oz. .. 7/6 per gross.	10 & 12 oz. .. 12/- per gross.
6 ,, 8 ,, .. 8/6 ,,	16 ,, .. 16/- ,,

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

½ oz. .. .. 3/6 per gross.	1½ oz. .. .. 4/6 per gross.
1 ,, ... 3/9 ,,	2 ,, ... 5/- ,,

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

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106 MIDLAND ROAD, ST. PANCRAS, LONDON.
Established 50 years. *Bankers—London and Westminster Bank.*

All Chemists, Druggists, and Stores should stock

ATKINS' LUNG HEALER,

which is being well advertised, and is a good

Remedy for Coughs, Colds, Asthma, Bronchitis, and all Chest Complaints.

IT CONTAINS **NO POISON.**

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R. & G. ATKINS' HERBAL LABORATORY,

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Sold in Bottles at 1/- and 2/6 each. Obtainable from any of the WHOLESALE HOUSES.

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The only REALLY PERFECT Bottle for Vaseline, Pomades, Dry Powders, &c.

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SOLPORT'S "FURFELT" CHEST PROTECTORS.

48

S. MAW, SON & THOMPSON'S

Fig. 42.

OLD-FASHIONED

FLAT FEEDING BOTTLES

Fitted with Screw Glass Stopper

AND

Bulbed Indiarubber Leech-bite Teat.

EACH IN A BOX WITH BRUSH COMPLETE.

Three Sizes, **6/2, 6/8,** and **7/8** per dozen.

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NO. 1

FEEDING BOTTLES,

WITH GLASS TUBE,

And TUBE and BOTTLE BRUSH,

EACH IN BOX COMPLETE,

Moulded, 7/6; Hand-made, 11/- per dozen.

USUAL DISCOUNT.

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FOR

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FLAT (SQUARE & ROUND EDGES), OVAL, DIRECT SQUARE, OCTAGON, AND ROUND.
BEST AND ORDINARY QUALITY.
ALL SIZES AND GRADUATIONS.

FEEDING.

IN WHITE AND GREEN GLASS, WITH GLASS SCREW AND OTHER STOPPERS, AND WHITE, BLACK, OR BROWN RUBBER FITTINGS.

Buyers' Name put on Bottles free for certain quantities.

AERATED WATERS.

CODD'S AND OTHER STOPPERED BOTTLES.
ALL SIZES.
EXCELLENT QUALITY.

CORK BOTTLES IN ALL SHAPES AND SIZES.
PRICES MODERATE.

Revised Price List (Illustrated), containing full particulars of above and many other kinds, sent on application to

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No. 3 GREAT NORTHERN GOODS STATION, KING'S CROSS, LONDON, N.

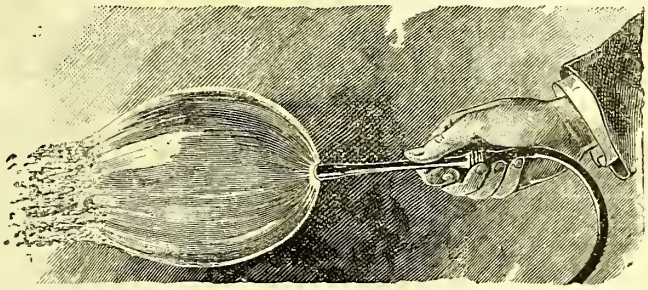
THE SUCCESS OF '96.

You cannot start the New Year better than by ordering the

BALL NOZZLE ENEMA,

Or the BALL NOZZLE TUBES (Patent), to fit any Enema.

The only Perfect Syringe yet produced.



The Ball Nozzle will fit ordinary Bone or Ebonite Tubes.

OF ALL WHOLESALE CHEMISTS, OR

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"THE LEICESTER"

POROUS PLASTERS

IN RUBBER COMBINATION.

7½ by 5 Inches. In Boxes of 2 dozen.

BELLADONNA, on Scarlet Felt	Special Quality.	per dozen	4/-
BELLADONNA, on Cotton Cloth	Special Quality.	„	3/6
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BELLADONNA, on Red Canton Flannel		„	2/6
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CAPSICUM „ „		„	2/-
STRENGTHENING „ „		„	2/-
STRENGTHENING, on Red Canton Flannel		„	2/-
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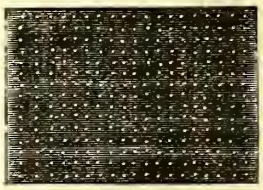
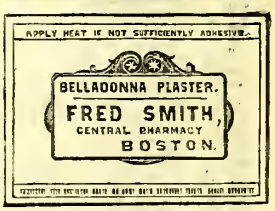
Other sizes (12 by 7, 9 by 6, &c.) at proportionate prices.





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Samples, &c., on application.

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Descriptive Pamphlet with Particulars Post Free.
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MANUFACTURED ONLY AT
PROFESSOR HOLLOWAY'S ESTABLISHMENT,
78 New Oxford St. (late 533 Oxford St.), London,
And sold at 1s. 1½d., 2s. 9d., 4s. 6d., 11s., 22s., and 33s. each Box or Pot. Chemists and Druggists selling "Holloway's Pills and Ointment" can, on application to the above address, or to the Wholesale House with whom they deal, be supplied free of charge with Handbills and Posters with their name and address printed at foot.
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ABSOLUTELY RELIABLE.

TRADE PRICE MODERATE.
SALE UPWARDS OF 4,000,000.

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A soluble Quinine Pessary of proved absolute reliability. Upwards of 4,000,000 have been sold without a complaint of failure.

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Surgical Instrument and Appliance Makers,
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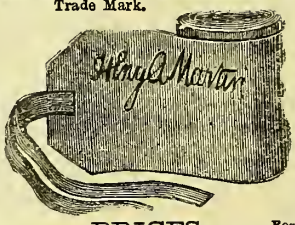
DR. MARTIN'S PURE RUBBER BANDAGES.

Trade Mark.



For Varicose Veins, Ulcers, Eczema of the Leg, Swollen and Weak Joints.

Caution.—Please order *Genuine Martin's Bandages*, each being stamped with Dr. Martin's signature. All others are *Spurious Imitations.*

Complete Price List, Trade Discount, and Dr. Martin's Pamphlet post free.

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3.	Thick " " " ..	6	2¼	4/-
1B.	Thin, for leg below knee	10½	3	5/6
1A.	Thick " "	10½	3	7/6
8.	Thin, for leg and knee	14	3	7/6
7.	Thick " "	14	3	9/6
9B.	Thin, for leg and thigh	21	3	10/6
A.	Thick " "	21	3	13/6

Sole Agents—**KROHNE & SESEMANN, SURGICAL INSTRUMENT MAKERS,**
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Patentee, Inventor, and Manufacturer of ESTABLISHED 1833.

SURGICAL ELASTIC STOCKINGS, BELTS, SUSPENSORY BANDAGES, TRUSSES,

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WHOLESALE DEALER IN DRUGGISTS' SUNDRIES.

INVALIDS AND NURSERY REQUISITES.

SPECIALITIES.

TRUSSES FOR RUPTURES OF ALL KINDS. Equal to any supplied in London, Paris, or New York.

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SUPPORTING BELTS AND BANDAGES.

Poro-Plastic Jackets and Steel Instruments for Curvature of the Spine moulded to the Patient. Splints and Instruments for Deformed Feet and Legs.

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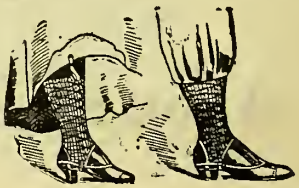

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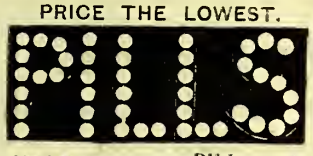

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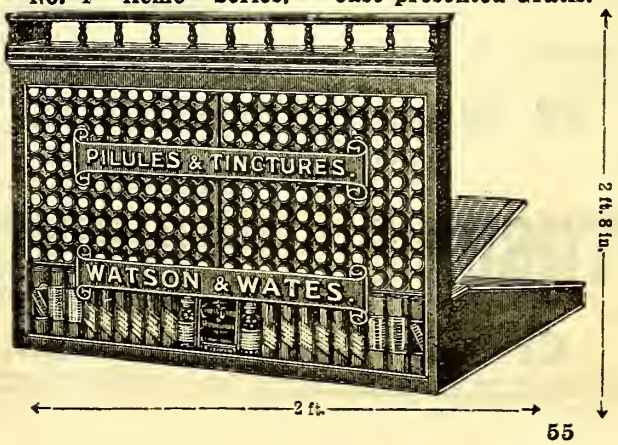

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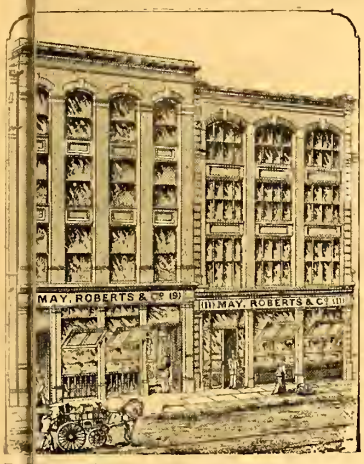

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Fig. 4.

Fig. 5.

Bronchial, as Fig. 4 .. .. per doz. 7/-
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Fig. 6.

Fig. 7.

Nelson's Inhaler, as Fig. 6, plain white .. .. each 1/4
„ as Fig. 6, small, plain white .. .. .. „ 1/1
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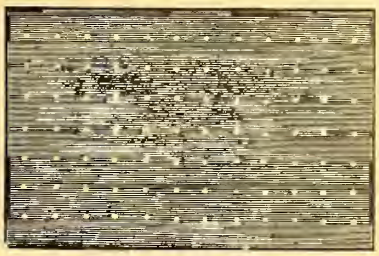

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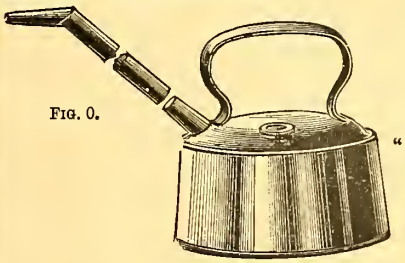
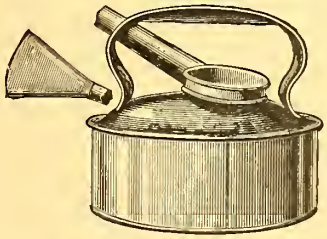
Fig. 0.



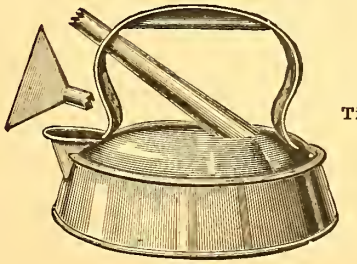
"Combination," as Fig. 0, can be used as an ordinary kettle. Tin, round, 7-in., each 1/-

Fig. 1.



Tin, round, 7-in., Fig. 1, each 1/3

Fig. 2.



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